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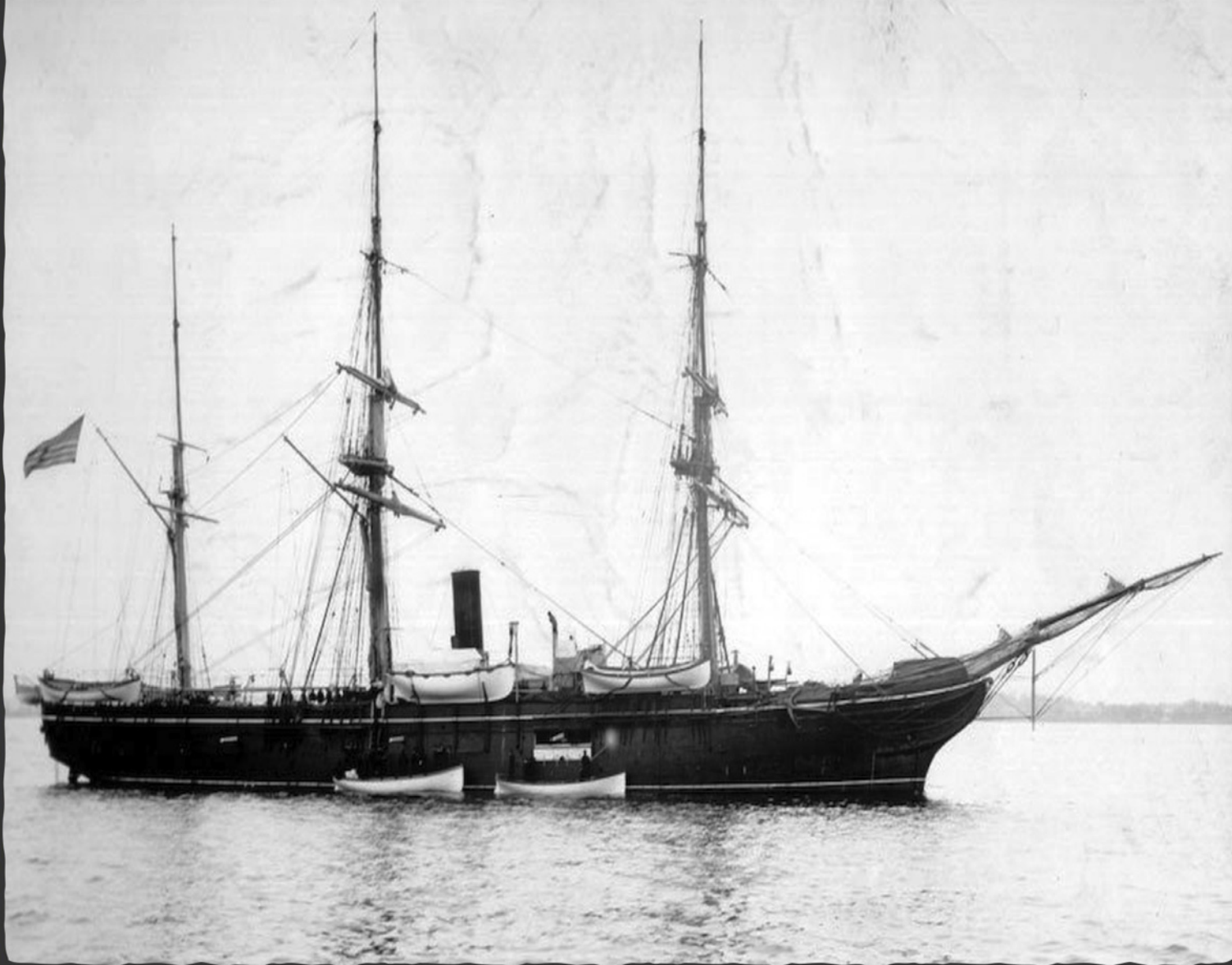
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## Log Books 19-20 of the USS Essex

June 5, 1884 - January 15, 1885

The Day-to-Day Operations of Shipbuilder Donald  
McKay's Last Ship



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# USS *Essex* Log Books 19-20

## Finding Aid

*Adams* class ship USS *Essex* (IX-10) was designed and constructed by premier North American shipwright Donald McKay. Her keel was laid down in 1874 and she was launched in 1876. She was a three-decked wooden screw steamer sloop-of-war with auxiliary sail (bark-rigged). She was 185 feet long, 35 feet in the beam, had a 14.25-foot draft, and was 1,375 tons. When commissioned, she carried six big guns, all muzzle loaders: one XI-inch and four IX-inch Dahlgren Naval Artillery guns, and one 60-pound Parrott Rifle. The ship's armory carried dozens of small arms including rifles, pistols, revolvers, and cutlasses. Further, she carried six auxiliary boats including a launch, two cutters, a whale boat, one gig, and a dinghy. The combinations of guns and watercraft carried on board USS *Essex* could change from log book to log book. She served with the US Navy in active duty and as a training ship with the Ohio Naval Militia, the Illinois Naval Militia, and the Minnesota Naval Militia. She was intentionally burned on Minnesota Point in Lake Superior at Duluth in 1931. Her Minnesota Archaeological Site Number is 21-SL-1030 and she is a National Register of Historic Places Property.

Maritime Heritage Minnesota digitized the 62 known USS *Essex* log books held at the National Archives in Washington, DC, and at the US Naval Academy in Annapolis in 2010. The log books consist of the daily activities on board the *Essex* as recorded by deck officers on duty. Those deck notes were then transcribed to be the official log of the *Essex* that were sent to the Navy Department in Washington, DC, where they were bound into their current book form. At the beginning of most log books, there are: a title page, two list of officers pages, a crew complement page (listing the crew by rank and job), an armaments page (list of the different large guns, boats, and small arms), and two pages of compass observations. Not all log books contain these pages and some include additional information, including a plan and section of the *Essex* in Log Books 8 and 9 and four pages of directions on how to fill out log pages in Log Book 21. Sometimes two transcribed versions of log pages were sent to the Navy Department and duplicate books were produced. However, sometimes the duplicate books were not bound with exactly the same pages, so some books overlap each other in date. Also, some log book pages have writing too close to its spine edge and after binding, some words and numbers were 'lost' in the spine if the binding remained tight over the decades. Further, it must be kept in mind that the names of ships, both American and foreign, as well as geographical locations usually expressed in different languages will have variations in spelling. With this in mind, the deck officers of the *Essex*, when writing the log pages, may misunderstand what the actual name of a ship or geographical marker actually is and their handwriting may present challenges or be nearly illegible. The digitization and editing of the USS *Essex* log books were made possible with funding provided by the Minnesota Historical and Cultural Heritage Grant.



program, part of the Arts and Cultural Heritage Fund of the Clean Water, Land and Legacy Amendment.

### **Log Books 19-20 of the USS Essex: June 22, 1884-January 15, 1885**

The National Archives houses USS *Essex* Log Books 19 and 20, near duplicates of each other; one begins in early June and ends in mid-January, while the other begins in mid-June and ends in mid-January. Throughout Log Books 19 and 20, comments were made on:

- sail adjustments with sail type and action specified
- banking of boiler fires in order to put the ship on stand-by for immediate use
- coupling and uncoupling the propellor when the ship was shifting from steam to sail and *vice-versa*
- when under steam the different watches record the average steam boiler pressure and engine revolutions
- lowering of smokestack and proceeded under sail and *vice-versa* when the *Essex* was underway
- when anchored nearly every watch described the state of the anchor cables: crossed ('cross in hawse, stbd chain on top' or 'Elbow in hawse') and often will mention 'clearing the hawse' (the crossed anchor cables were uncrossed)
- casting deep sea lead for soundings
- swinging the ship to test for compass deviation
- patent log readings
- water distillation using the ship's boilers to produce freshwater and refilling the freshwater tanks
- coaling of the ship
- weather recording: temperature, wind speed and direction, barometer readings, state of the sea
- recording the ship's behavior (heavy rolling or pitching)
- crew conducting ship maintenance: engine maintenance/repair, general ship cleaning, bilge cleaning and checking pumps, scraping and painting - and sometimes tarring and caulking - the ship's hull and infrastructure, repairing yards and stays, repairing sails, scrubbing masts and yards
- crew conducting drills: target practice with the main battery (great guns), small arms drills, fire drills, single stick drills, revolver drills, landing party drills
- cadet/apprentice drills
- receiving fresh water from shore through pumps or lighter
- receiving provisions and stores: food, medical supplies, clothing, engineering gear, construction
- Quarterly Board of Survey's findings of condemned articles on board (food, equipment) and their fate (food was usually tossed overboard) from the inventories of the different ship's departments (Ordnance, Engineering, Navigation, Equipment, Medical, Pay)
- crew promotions
- crew quarters inspection



- liberty parties sent ashore
- crew members are discharged at their own request (DOR)
- lists of new crew members - recruits or transfers from other ships- taken on board during a cruise
- crew transfers to other ships
- crew reporting the expiration of their contracted naval service
- crew members in solitary confinement or other punishments for various infractions, AWOL crew, general and summary court martial proceedings, AWOL crew put in irons
- rewards offered for the return of AWOL crewmen
- weekly Sunday services; after the services, once a month, the Articles for Better Government of the Navy were read to the crew

**NOTE: The *Essex* deck officers who recorded the daily happenings on the ship often translated the names of non-American ships incorrectly. MHM determined the correct spellings of the ships and those corrections are reflected in the Finding Aid, not the poorly transliterated ship names.**

At the beginning of Log Books 19-20, in mid-June 1884, the USS *Essex* was anchored in Nagasaki Harbor, Japan, under Commander Alexander H. McCormick. *Essex* was assigned to the US Asiatic Squadron. On June 22, a crewman was transferred from iron gunboat USS *Alert*, and the sloop-of-war Flagship USS *Enterprise* exchanged signals with *Essex*, one of her sister ships. A mail steamer from Yokohama arrived in the harbor and *Essex* took on mail from the US. The next day, the Commander of the US Asiatic Squadron Rear Admiral John Lee Davis and his staff visit *Essex*. Sloop-of-war USS *Juniata* received munitions from *Essex*, *Essex* swapped crewmen with USS *Enterprise*, and USS *Alert* got underway. On June 25, Flagship USS *Enterprise* fired an 11-gun salute in honor of a Japanese Commodore. Two days later, Rear Admiral Davis and his staff returned to *Essex* and inspected the ship, followed by divisional and boat launching drills, clearing for action, gun, and fire drills. On June 29 corvette USS *Trenton* anchored in the harbor, while Flagship *Enterprise* signaled *Essex* with an order to follow her lead during small arms drills. The next day, Admiral Davis left USS *Enterprise* and boarded USS *Trenton*; his Admiral's flag transferred to *Trenton* with him and she became the Flagship for the Asiatic Station. Several crewmen were swapped between *Essex*, *Trenton*, *Juniata*, and *Enterprise*

On July 1, Commanding Officer McCormick and his first officer left the ship for survey duty on the *Enterprise*, and more crew transfers took place between *Essex*, *Juniata*, and *Trenton*. The next day, a crewman fell from the main top to futtock shrouds and was lowered to deck in an 'insensible' condition. On July 4, the crew dressed *Essex* in rainbow fashion to commemorate Independence Day. At dusk, the ship was illuminated with a rainbow of Japanese lanterns along both sides and in the gunports and gangways. Flagship USS *Trenton* fired salute of 21-guns and a Russian corvette and the shore battery fires salutes in response. Also, two Asian men enlisted on *Essex* as Landsmen, listed as being in 'special service'. The next day, maritime signals exchanged between *Essex* and *Trenton* regarding the monthly pay were actually spelled



out in the log book - an uncommon occurrence. The message spelled out: "Essex: permission to spread awning Flagship: Yes Flagship: How much money necessary to pay monthly money Essex: Monthly list \$2,289 on board \$1,950 Flagship: Send boat with papers Essex: What papers Flagship: Send boat for papers". On July 7, an *Essex* boat was sent to the Mistu Bitsu (incorrect - it is Bishi) lighter for some pork to provision the ship's stores. On July 8, USS *Trenton* canceled the routine drills of the day and ordered a boat be sent from *Essex* to the Flagship. In less than an hour, Lieut. M. R.S. MacKenzie (probably the first officer) was placed under arrest by order of the Commander in Chief - Admiral Davis. MacKenzie's general court martial was held on USS *Enterprise* from July 9-11; he was acquitted and returned to duty.\* Throughout the first half of July, USS *Essex* noted activities in the harbor: German corvette *Iltes* and a Yokohama mail steamer anchored, a Japanese corvette left the port, a Russian corvette was in the harbor, and three seamen board *Essex*, having traveled from the Yokohama Naval Hospital.

On July 12, Flagship USS *Trenton* left Nagasaki for Hong Kong and USS *Essex* followed her, passing Nagasaki Light as they departed. Along the way, *Essex* passed a German steamer - both ships dipped their colors, a Chinese gunboat, Ocksean, Dog Island, and Chapel Lights, and she sighted a Spanish man-of-war. *Essex* anchored in Amoy Harbor on July 18, taking bearings off Cornwallis and Cocher Rocks. *Essex* exchanged visits with the US Consul, corvette HMS *Champion*, and Spanish frigate *Aragon* to tender the usual courtesies. *Essex* also took on coal before leaving Amoy Harbor on July 19, passing Lamock Island, Cape of Good Hope, and Breaker Point Lights. Two days later she anchored in Hong Kong Harbor and took bearings from Victoria Peak and Killeth Island. While anchored, *Essex* discharged six Asian crewmen "on account of the Chinese restriction act".\*\* and took on three crewmen who reported on board for duty after their transfer from iron gunboat USS *Palos* - along with 14 additional crewmen who reported for duty from Hong Kong. The American mail steamer *City of New York* and gunboat HMS *Swift* left harbor, American ship *Southern Cross* and three Chinese gunboats anchored in the harbor, and officers from the German gunboat *Nautilus* visited the ship.

On July 24, *Essex* prepared to leave Hong Kong Harbor for Singapore. Upon raising her starboard anchor, it was found to be fouled on its own anchor cable - three turns around the stock and one fluke. Once the crew straightened the cable, *Essex* left the harbor, passing the Samoan Islands on the way to Singapore. Two days later, Commander McCormick ordered the ship to stop in order to take soundings because of known navigation chart inaccuracies. During the first watch of July 29, the engineer on duty slowed the engine, causing *Essex* to fall into a trough of seas (which were moderate). Her helm refused to answer, and the engineer thought the ship had lost her rudder. Investigations showed everything in order and the patent log was hung overboard but it was caught in some tackle and lost its propeller. A different patent log was put overboard and the readings recorded. Later on, after the first patent log received a new propeller, it was deployed and pulled out again; the results of the two different logs were compared for accuracy. The next day, *Essex* passed a large British steamer and during the last watch of the day, the head of the fore topmast staysail carried away during a



moderate gale. Crewmen hauled down the sail and stowed it, and all hands were called to shorten the sail. On July 31, Commander McCormick found it impractical to make headway in the strong monsoon and strong current they were fighting; he ordered a change of course back to Hong Kong for safety.

On August 1, the crew replaced the fore-topsail and three days later, *Essex* passed Lamma Island. On August 5, she passed Green Island Light and headed toward Stonecutters Island, where she anchored. As a precaution, Commander McCormick ordered the port side sheet anchor be taken out of the hold and a chain be attached. Sheet anchors were only used in emergencies, as an extra anchor; apparently the Commander was expecting dangers weather. The next day, a liberty party was sent ashore and on the following day, the crew was busy cleaning the ship inside and out. For the remainder of August, the fore and main topsails and foresail were sent ashore for repairs and returned late in the month, the crew painted the berth deck, and more liberty was granted. Also, three Asian crewmen were discharged on own request, AWOL crewman returned aboard brought a \$10 reward for the local police, and AWOL crewmen who are absent for five days were declared deserters. On August 20, a heavy squall went through the anchorage; all hands were called to furl awnings, they sent down the topgallant masts, and battened down the ship. The Pacific Mail Steamship Company (based in New York) vessel the *City of Tokio* left Hong Kong while the mail steamer *City of Peking* - also owned by Pacific Mail) and another from the US anchored in the harbor. *Essex* exchanged signals with USS *Palos* when she came in from Canton. On August 30, *Essex* once again left Hong Kong Harbor for Singapore.

On September 3, 1884, *Essex* passed Cecir-de-mer Island off the coast of Vietnam and the next day, the ship's fore topmast staysail stay was carried away; it was repaired. On September 6, the crew spotted Pulo Aur and Hersburg Islands, and then sighted Singapore Light. As the ship moved toward Singapore, she passed several east-bound sailing vessels. *Essex* took anchor in Singapore Harbor, taking bearings taken off Peak Island and Fort Canning Light. The next day, *Essex* discharged ash into a lighter that had pulled alongside the ship. An officer called on the US Consul and the Consul reciprocated the visit. On September 8, the American bark *Victor* left harbor and for two days the crew prepared to go to sea. On September 10, *Essex* steamed out of Singapore Harbor bound for Batavia (Jakarta), Java; she passed two Dutch gunboats and stood through Rhio Straits. Along the way, *Essex* noted several islands and lighthouses, she dipped her colors with passing American ship. She anchored in the Strait of Banka for the night and on September 12, *Essex* passed several islands. The next day, she passed Thousand Islands and South Watcher Island, anchoring in Batavia Harbor, Java (Jakarta, Indonesia).

From September 13-15, Commander McCormick and his officers visited and received visitors from the Dutch iron hulled-turret ram Flagship *Konig der Nederlanden* and Dutch ironclad turret ram guardship *Prins Hendrik der Nederlanden*.\*\*\* he also sent a boarding officer to American ships in port. A Dutch steamer left Batavia while the Flagship was dressed;\*\*\*\* *Essex* followed suit. Three loads of coal were loaded onto *Essex* from harbor lighters. At one point, she sent out her steam cutter to retrieve a lighter that had

came adrift from shore; the crew secured the boat to the stern to await a claimant. A Dutch steamer left the harbor and *Essex* steamed out of Batavia heading through the Sunda Strait for Mozambique, East Africa. On September 16, the crew practiced with the main guns and small arms, and the next day, the main topgallant yard was carried away due to a defect in the wood. On September 18-19, the main topsail sheets, fore topgallant sail, and topgallant yard for were repaired. Remarkably, on September 22, 1884, the *Essex* passed through large patches of floating pumice stone from the Krakatoa volcanic eruption of late August 1883. The crew were exercised in divisions with single sticks, great guns, small arms, and revolvers. On September 27, *Essex* lost her starboard topmast stunsail boom over board; the ship hove to and recovered it.

In early October 1884, USS *Essex* was traveling westward toward Mozambique. The crew was adjusting sails depending on wind direction and force, and performed maintenance and ship cleaning. During the night and overnight watches on October 4 and 5, the crew noted a total lunar eclipse. Over the next few days, instructors practiced the apprentice boys in skills and chores and on October 8, *Essex* exchanged signals with a shore signal station. She anchored in Mozambique Harbor and took bearings off the San Sebastian Flagstaff and the north end of a pier. For most of October, *Essex* remained in port and conducted maintenance and drills. The crew scrubbed the masts, yards, and sent down the main topgallant yard and re-hoisted it later in same watch after it was repaired. At one point, drills were suspended on account of the heat. Captain Crocker of the American barque *Sarah Hobart* came on board *Essex* to give testimony concerning the seizure of property by Portuguese authorities. Also, Commander McCormick sent three *Essex* lieutenants to hold survey on the American barque *Sicilian* and another officer was sent ashore for mail; none was found for *Essex*. The crew dressed *Essex* with the Portuguese flag at the main in honor of the Queen of Portugal's birthday.

Throughout the month, Commander McCormick and his officers received and reciprocated visits with the Governor of the Province and his Aid de Camp, Captain of the Port, German and English Consuls, and with officers of the Portuguese, French, and British ships in port. Castle Mail Packet Company (out of Cape Town, South Africa) coastal Steamer *Florence* left Mozambique and headed south, a Portuguese gunboat, French brig, and an English mail steamer left harbor, and the steamer *Oriental* anchored in the port. On October 24, the crew made preparations for sea and the next day, *Essex* left Mozambique for Cape Town, South Africa. She passed St. Georges Island Light and a Norwegian barkentine. On October 26, *Essex* experienced rough seas to the point where Commander McCormick ordered the ship to slow down to ease her. For the next four days, the crew conducted maintenance, cleaning, and drills, and on October 20 the ship passed a small steamer heading north.

In early November 1884, regular ship duties continued for the crew. On November 2, *Essex* passed a brigantine heading south and over the next two days, several lighthouses until Green Point Light was encountered. The ship hove to and waited at Green Point while the Captain of the Port boarded *Essex*; she then anchored in Cape Town Harbor, South Africa. On November 5, *Essex* up-anchored and entered the basin,



mooring at the dock. While moored, *Essex* was coaled and provisions were stowed on board the ship, and Lieut. M. R. S. MacKenzie was detached from the ship on the order of the Navy Department. On November 8, the ship's catamaran was discovered to have been lowered overnight and disappeared. As the ship remained in Cape Town, a large group of crewmen were punished for drunkenness and rewards were offered for the apprehension of 24 crewmen at \$2 a head; the local police collected a tidy sum for the return of many of the men. Commander McCormick received a visit from the Commanding Officer of HIGMS (His Imperial German Majesty's Ship) man-of-war *Moewe*\*\*\*\*. Also, he left *Essex* to visit CO left the ship to pay an official visit to the Governor of Cape Colony and the US Consul. The log noted that a large Australian steamer and *Moewe* left the dock and went to sea, and an English mail steamer and another large steamer entered the harbor and docked. Early on November 10, *Essex* left her dock and anchored in the outer harbor. The next morning, *Essex* left Cape Town Harbor bound for New York.

While heading northward, the ship passed Robbin's Light, and the helm would repeatedly swinging the ship checking for compass deviation. The crew conducted general ship maintenance and cleaning. On November 20, the crew sighted St. Helena Island and anchored off the coast. Commander McCormick sent an officer to visit the American Consul and he made official visits, while the ship received a visit from the Governor's Aide de Camp. In the early morning of November 22, *Essex* left St. Helena, heading northward. For the rest of November, the crew painted the ship inside and out, and conducted target practice and drills.

On December 1, 1884, the USS *Essex* crew were put through fire, gun, and landing drills. Over the next 11 days, the crew sighted a barque headed east, a brigantine headed south, a barque headed southwest, a small barque headed west, and another barque on her starboard side; *Essex* hoisted her colors. On December 15, *Essex* spoke with English barque *David* of St. Johns, New Brunswick, and gave her the current longitude. *David* had hove to, waiting for *Essex*, thinking the ship was on fire due to seeing smoke, but not the smokestack. On December 18, *Essex* passed lighthouses in the Virgin Island and the next day, anchored in St. Thomas Harbor. The ship received a visit from the American Consul, she exchanged signals with gunboat USS *Yantic*, and her Commanding Officer made an official visit to *Essex*. On December 20, official visits continued and the next day, *Essex* departed St. Thomas Harbor, passing a schooner that was headed southeast. On December 22, the engineer topped the engine to repair a valve on the condenser and a barque was sighted heading west. On December 24 and 25, the *Essex* crew sighted a large English steamer headed northeast and passed a small barque headed northwest. Between December 26 and 28, the crew replaced the torn main trysail, the ship passed several pieces of floating timber and a barque heading northwest. Nearing New York, the crew began casting lead for soundings and spoke with New York Pilot Boat No. 17. *Essex* anchored off Sandy Hook, with bearings taken off Sandy Hook Light and the 'end of point'. Fog moved in and while the ship waited for the weather to clear, the crew was ringing the fog bell. The crew also continued painting the outside of the ship. On December 30, *Essex* raised anchor and stood up New York Bay. The Health Officer came onboard and *Essex* anchored, exchanging signals with

US Receiving Ship *Vermont*. *Essex* then moored 300 yards from *Vermont* at the New York Navy Yard. Commander McCormick left his ship for official visits and the next day, McCormick and his officers went ashore to receive the new Commandant of the Yard.

On January 2, 1885, the Board of Inspection with Commodore De Kraft, came on board *Essex* and commenced a general inspection of the ship, and she exchanged signals with *Vermont*. Over the next 10 days, the *Essex* crew set to taking the ship out of commission. Her ammunition was unloaded and then she was moved to the Ordnance Wharf with assistance from the Navy Yard tug. Once there, the crew hoisted out the ship's battery, and then the Navy tug moved *Essex* to the Northwest end of the Yard. Her spars and rigging were put on the dock, stores were taken out and sent ashore, the ship was stripped, the coal taken out of the hoppers and put on shore, ; and remaining provisions were transported to Naval storehouses. *Essex's* boats were hauled out and the boiler fires were hauled - extinguished. Three crewmen were dishonorably discharged, five crewmen were transferred to the Navy Hospital, two crewmen were confined for trying to leave the Navy Yard and men were transferred to US Receiving Ship *Vermont*. The Pay Master paid the ship's apprentices and gave them 30 days leave. Upon their return, they were to report to frigate USS *Minnesota*. The rest of the ship's company were paid, and they were given 10 days leave. Upon their return, they were to report to the USRS *Vermont* for examination for discharge. On the morning of January 15, the Captain of the Yard inspected USS *Essex* and the vessel was put out of commission with the customary ceremonies.

\*MHM has not been able to ascertain why Lieut. MacKenzie underwent a court martial.

\*\*The Chinese Restriction Act, as an addendum of the Chinese Exclusion Act of 1882, was a law that applied to Chinese immigrants to the US, not those who served on naval vessels in a foreign country and therefore did not apply to USS *Essex*.

\*\*\*The Dutch ships are called the *Leipsic* and *Prince Frederic II* in the log book. However, there are no Dutch ships with those names and the Flagship in September 1884 was HNLMS *Konig der Nederlanden* and the guardship on duty was HNLMS *Prins Hendrik der Nederlanden*. Further, the German ship *Leipzig* was assigned to the German East Asia Squadron in 1884 but was sent back to Germany that year. In September 1884, she was off the coast of Cameroon, not at Batavia.

\*\*\*\*The log book states the Dutch Flagship and *Essex* dressed in honor of the birthday of 'Princess Henrike of the Netherlands'. However, there was no princess of that name; MHM suggests the *Essex* crew and the Dutch crews had a communication problem.

\*\*\*\*\**Moewe* participated in an aggressive German act, beginning in August 1884, against the Africans of the Gold Coast who had a treaty with Great Britain.

Tags:

American Ships: mail steamer *City of Peking*, mail steamer *City of Tokio*, sloop-of-war Flagship USS *Enterprise*, sloop-of-war USS *Essex*, sloop-of-war USS *Juniata*, frigate USS *Minnesota*, iron gunboat USS *Palos*, barque *Sarah Hobart*, barque *Sicilian*, ship *Southern Cross*, corvette Flagship USS *Trenton*, USRS *Vermont*

British Ships: corvette HMS *Champion*, gunboat HMS *Swift*



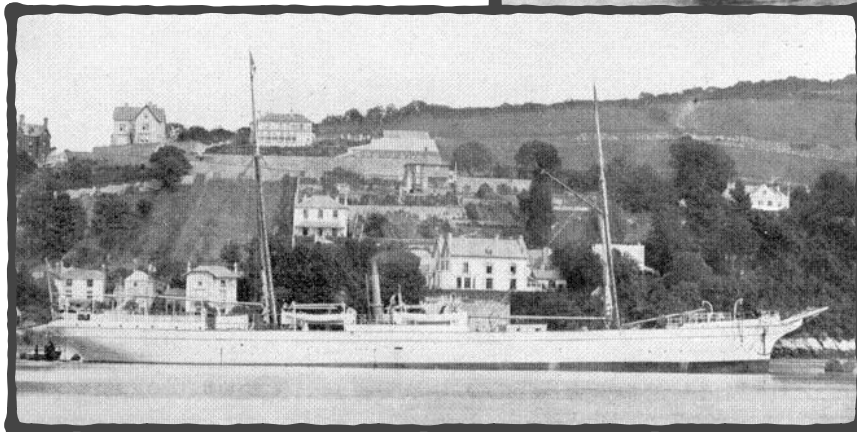
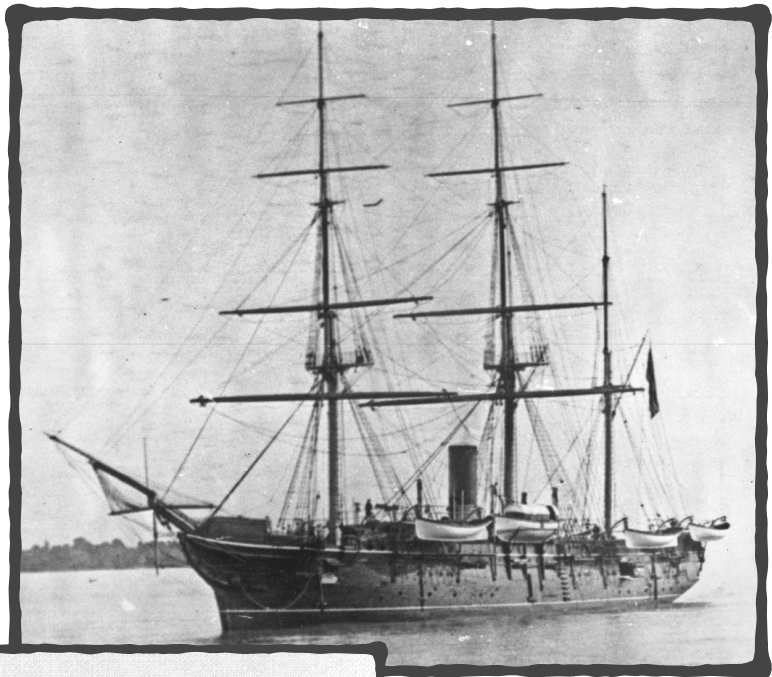
Dutch Ships: iron hulled-turret ram Flagship HNLMS *Konig der Nederlanden*, ironclad turret ram guardship HNLMS *Prins Hendrik der Nederlanden*

German Ships: gunboat *Iltes*, man-of-war *Moewe*, gunboat *Nautilus*

South African Ship: coastal steamer *Florence*

Unknown Country: steamer *Oriental*

USS *Essex*

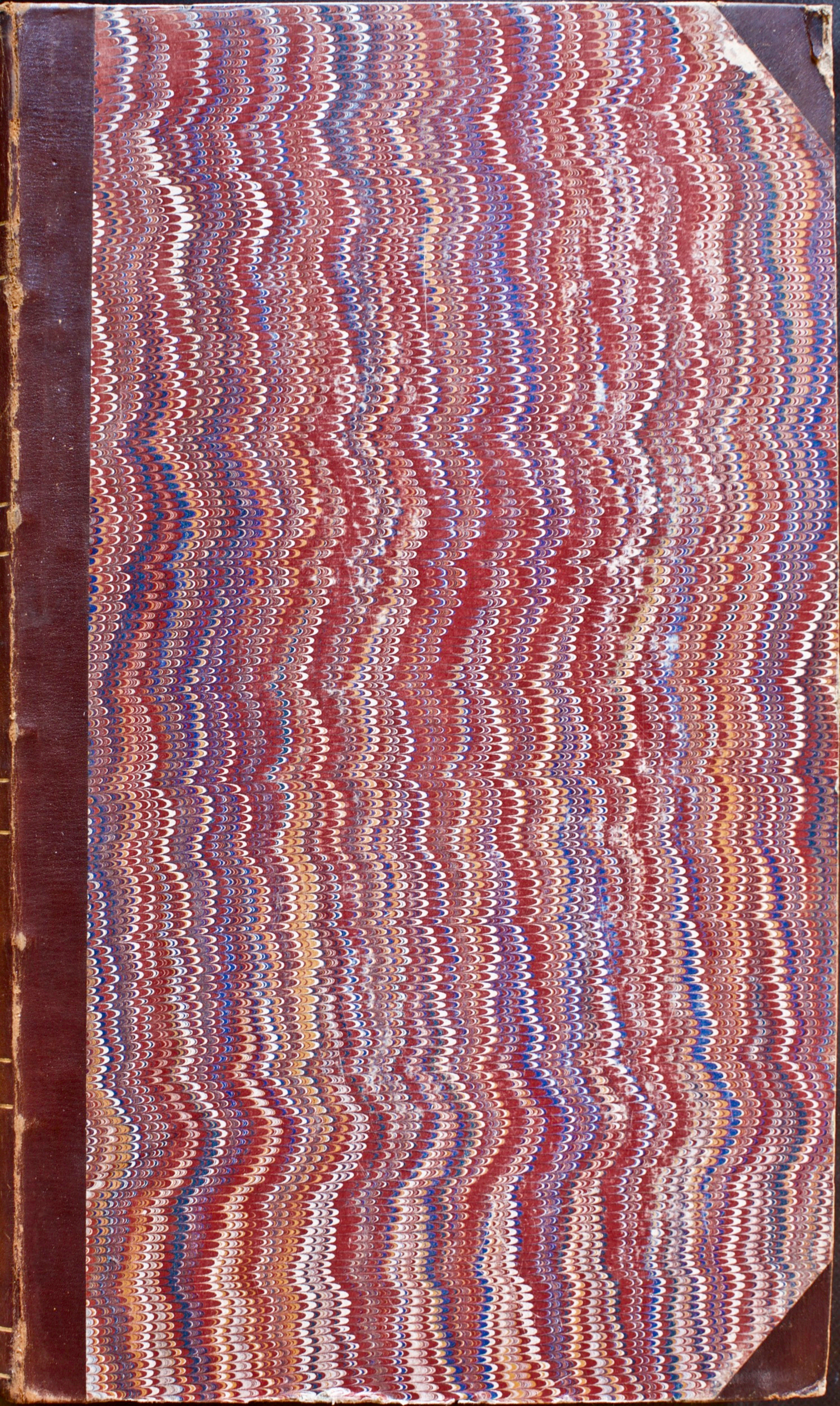


*Florence*

HMS *Champion*









Example 11

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9	1
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Example 12

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Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			<i>Anchored P.W.</i>	<i>P.W.</i>	<i>3-5</i>		<i>29.92</i>	<i>77</i>	<i>76</i>	<i>75</i>		<i>bc</i>	<i>cu cum</i>	<i>0</i>	<i>S</i>	
2			<i>P.W. &amp; P.</i>	<i>P.W. &amp; P.</i>	<i>3-5</i>		<i>29.90</i>	<i>77</i>	<i>76</i>	<i>75</i>		"	"	<i>0</i>	"	
3			"	"	<i>3-5</i>		<i>29.88</i>	<i>77</i>	<i>75</i>	<i>74</i>		"	"	<i>0</i>	"	
4			"	"	<i>3-5</i>		<i>29.88</i>	<i>77</i>	<i>75</i>	<i>74</i>		"	"	<i>0</i>	"	
5			"	<i>P.W.</i>	<i>3-11</i>		<i>29.88</i>	<i>77</i>	<i>75</i>	<i>74</i>		"	"	<i>0</i>	"	
6			"	"	<i>3-11</i>		<i>29.89</i>	<i>77</i>	<i>75</i>	<i>74</i>		"	"	<i>0</i>	"	
7			"	"	<i>3-11</i>		<i>29.90</i>	<i>77</i>	<i>75</i>	<i>74</i>		<i>bc</i>	"	<i>0</i>	"	
8			"	"	<i>3-11</i>		<i>29.89</i>	<i>77</i>	<i>75</i>	<i>74</i>		"	<i>cu cum</i>	<i>0</i>	"	
9			"	"	<i>3-11</i>		<i>29.90</i>	<i>76</i>	<i>75</i>	<i>74</i>		"	"	<i>0</i>	"	
10			"	"	<i>3-11</i>		<i>29.90</i>	<i>76</i>	<i>75</i>	<i>74</i>		"	"	<i>0</i>	"	
11			"	"	<i>3-11</i>		<i>29.90</i>	<i>76</i>	<i>75</i>	<i>74</i>		"	"	<i>0</i>	"	
Noon.			"	"	<i>13</i>		<i>29.90</i>	<i>76</i>	<i>75</i>	<i>74</i>		<i>bc</i>	"	<i>0</i>	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1170 "

Coal consumed during the preceding 24 hours

tons 400 lbs.

Coal remaining on hand at Noon

116 " 620 "

P. M.																
1			<i>P.W.</i>	<i>P.W.</i>	<i>13</i>		<i>29.99</i>	<i>76</i>	<i>74</i>	<i>74</i>		<i>bc</i>	<i>cu cum</i>	<i>0</i>	<i>S</i>	
2			"	"	<i>13</i>		<i>29.98</i>	<i>76</i>	<i>74</i>	<i>74</i>		"	"	<i>0</i>	"	
3			"	"	<i>13</i>		<i>29.98</i>	<i>76</i>	<i>74</i>	<i>74</i>		"	"	<i>0</i>	"	
4			"	"	<i>13</i>		<i>29.98</i>	<i>76</i>	<i>74</i>	<i>74</i>		<i>bc</i>	"	<i>0</i>	"	
5			"	"	<i>13</i>		<i>29.98</i>	<i>76</i>	<i>75</i>	<i>74</i>		"	"	<i>0</i>	"	
6			"	"	<i>13</i>		<i>29.84</i>	<i>76</i>	<i>74</i>	<i>74</i>		<i>bc</i>	"	<i>0</i>	"	
7			"	"	<i>13</i>		<i>29.83</i>	<i>76</i>	<i>74</i>	<i>74</i>		"	"	<i>0</i>	"	
8			"	"	<i>13</i>		<i>29.83</i>	<i>76</i>	<i>74</i>	<i>74</i>		<i>bc</i>	"	<i>0</i>	"	
9			"	"	<i>13</i>		<i>29.85</i>	<i>76</i>	<i>74</i>	<i>74</i>		"	"	<i>0</i>	"	
10			"	"	<i>13</i>		<i>29.87</i>	<i>76</i>	<i>74</i>	<i>73</i>		"	"	<i>0</i>	"	
11			"	"	<i>13</i>		<i>29.87</i>	<i>76</i>	<i>74</i>	<i>73</i>		<i>bc</i>	"	<i>0</i>	"	
Mid.			"	"	<i>21</i>		<i>29.87</i>	<i>76</i>	<i>74</i>	<i>73</i>		"	"	<i>0</i>	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of *Commander A. H. M<sup>r</sup> Conrick*, U. S. Navy,  
*Sunday, June 22<sup>nd</sup>.* , 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced until 4 A.M. Overcast and cloudy. Fresh breeze with frequent squalls from P.W. to S.W. Barometer falling. Anemoid barometer 30.06.  
Signed *W.M. Innes Lieut.*

4 to 8 A.M. Weather overcast and rainy. Moderate breeze from P.W. Barometer steady. Anemoid at end of watch 30.04.  
Signed *C.O. Reese Lieut.*

8 A.M. to Meridian. Overcast and rainy; squally first three hours. Wind from P.W. Anemoid barometer 30.06.  
Signed *R.O. Bittle Ensign.*

Meridian to 4 P.M. Overcast and cloudy. Moderate breeze from P.W. Barometer steady. Asst. Engineer John H. Baker U.S.N. reported for duty on this ship. Anemoid barometer 30.04. At 2<sup>nd</sup> Flagship made general signal 1087: sent a boat in obedience to signal. Chas. Wilmonite (265) was transferred to this ship, from the U.S.S. "Alert".  
Signed *W.M. Innes Lieut.*

4 to 8 P.M. Overcast foggy and rainy. Light to gentle breeze from P.W. Barometer falling. Mr. Toole (265) was transferred together with his bag and hammock to the U.S.S. "Alert". At 6<sup>th</sup> the Flagship made preparatory general signal to scrub clothes. By order of Comdg. Officer Lieut. W. H. Parker was placed under suspension for being intoxicated on the night of the 20<sup>th</sup> March. Anemoid barometer at end of watch 30.01.  
Signed *R.O. Bittle Ensign.*

8 P.M. to Midnight. Overcast cloudy and rainy, foggy first two hours. Gentle breeze from P.W. Mail steamer from Yokohama came in; received a mail from the United States. Anemoid barometer 30.03.  
Signed *W.M. Innes Lieut.*

From mid. Examined and found to be correct.

N. 18° 57' 42" N.  
base. Last quarter.

*W. H. Parker*  
Lieut. & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
			Anchor'd SW	SW	2		29.57	76	74	73		over	cum	0		S
2			"	"	2		29.57	75	74	73		"	"	0		"
3			"	"	2-4		29.57	75	74	73		over	"	0		"
4			"	"	2-4		29.57	75	74	73		"	"	0		"
5			"	"	2-4		29.57	75	73	73		"	"	0		"
6			"	"	3		29.53	75	73	73		over	"	0		"
7			"	"	2		29.53	75	73	73		over	"	0		"
8			SW	Calm	0		29.53	75	73	73		"	"	0		"
9			"	SW	2		29.54	76	75	74		"	"	0		"
10			"	"	3		29.54	76	75	74		"	"	0		"
11			"	"	3		29.54	76	75	74		"	"	0		"
Noon.			"	"	3-5		29.54	76	75	74		over	"	0		"

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

870 "

Coal consumed during the preceding 24 hours

tons 400 lbs.

Coal remaining on hand at Noon

116 " 220 "

P. M.																
1			SW	SW	3-5		29.53	76	74	73		over	cum	0		S
2			SW	SW	2		29.53	76	74	73		over	"	0		"
3			"	"	2		29.54	76	71	69		"	"	0		"
4			"	"	2		29.56	75	71	69		bc	cum	1		"
5			NW	SE	2		29.53	75	72	70		"	"	2		"
6			"	"	2		29.53	74	72	71		"	"	1		"
7			N	N	2		29.53	74	71	69		"	"	3		"
8			"	"	2		29.53	74	71	69		"	"	2		"
9			NW	NW	1		29.54	74	72	70		"	"	2		"
10			NW	"	1		29.54	75	73	71		over	"	0		"
11			"	"	2		29.55	75	73	70		"	"	0		"
Mid.			"	"	1		29.55	75	73	70		"	"	0		"

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of *Commander J. H. McConnel*, U. S. Navy,  
*Monday, June 3<sup>rd</sup>, 1854*

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

*Commenced land until 11 A.M. Cloudy Light drizzling rain.*  
*Light breeze from S.W. Aneroid 30.02.*  
*Signed Wainwright Kellogg Lieut.*  
*4 to 5 A.M. Overcast, foggy, with rain first two hours. Light*  
*to moderate breeze from S.W. falling calm last hour. At 7<sup>th</sup> Flagship*  
*made general uniform signal. At 7<sup>th</sup> Flagship made general*  
*signal 6071. At 8<sup>th</sup> crossed royal yards. Aneroid barometer 30.03*  
*Signed R. O. Githen Ensign.*  
*8 A.M. to Meridian. Overcast, cloudy, foggy, and rainy. Moderate*  
*breeze from S.W. At 8<sup>th</sup> Flagship made general signal 1804, with*  
*numerals 10 4.46. and 2<sup>nd</sup> and 3<sup>rd</sup> inst. this was immediately followed*  
*by telegraphic signals, 2989. 0905. 898. 945. 6672. 9318. 5825. 6839. and 9225.*  
*At 10<sup>th</sup> "Alert" got underway, hoisted guard flag. By order of*  
*Comdg. Officer Lieut. W. H. Parker, was released from suspension and*  
*restored to duty, also by same authority Henry Fern (1 clb.) was*  
*given eight days extra duty for impudence to Engineer Officer*  
*of watch. Rear Admiral John Lee Davis with his staff, paid an*  
*official visit to the ship, and was received with customary honors.*  
*Received from W. S. S. "Jinnata", 2,150 ball cartridges (cal. 38) + 3 Remington*  
*revolvers, cartridge boxes, and frogs, with spare parts of revolvers.*  
*Aneroid barometer 29.99.*

*Signed W. M. Innes Lieut.*  
*Meridian to 4 P.M. Cloudy. Frequent heavy showers of rain*  
*Fresh breeze from S.W. first hour of watch; light and variable the*  
*remainder of watch. At 12<sup>th</sup> Flagship made telegraphic signal*  
*4904. 8356. 7672. 9409. 6179. 4578. Got sheet anchor on bow, and*  
*bent sheet chain. Transferred Frank H. Whitney (O.S. 441) to U.S.*  
*S. "Enterprise", and received Lincoln Inc. Gun (Lds.) from same vessel.*  
*Aneroid 30.22.*

*Signed Wainwright Kellogg Lieut.*  
*4 to 8 P.M. Cloudy but pleasant. Light breeze from E.S.E. hauling*  
*gradually to North. Mustered at quarters at 5<sup>th</sup>. At 7<sup>th</sup> Flagship*  
*made signal, general, 6140. Sent down topgallant and royal yards,*  
*and topgallant-masts. Clear hawse. Aneroid barometer 30.02*

*Signed W. M. Innes Lieut.*  
*8 P.M. to Midnight. Cloudy. Light variable air and*  
*calms. Aneroid 30.02.*

*Signed Wainwright Kellogg Lieut.*

*will mid* Examined and found to be correct.

*18° 18' 46" N.*

*see New moon.*

*W. H. Parker*  
Lieut. & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			Anchored NE	Calm	0		29.87	73	72	70		over	cumulus nimbus	0	S	
2			"	"	0		29.87	72	72	70		"	"	0	"	
3			NW	"	0		29.87	72	73	71		"	"	0	"	
4			"	N	1		29.87	72	73	71		over	cumulus nimbus	0	"	
5			"	Calm	0		29.87	71	71	70		"	"	0	"	
6			"	N	1		29.87	71	71	70		"	"	0	"	
7			"	"	1		29.88	71	70	69		"	"	0	"	
8			"	"	1		29.90	71	70	69		"	"	0	"	
9			NE	Calm	0		29.92	72	71	69		"	"	0	"	
10			"	"	0		29.93	73	71	70		"	"	0	"	
11			"	"	0		29.93	73	71	70		"	"	0	"	
Noon.			"	"	0		29.93	73	71	70		over	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

570 "

Coal consumed during the preceding 24 hours

tons 840 lbs.

Coal remaining on hand at Noon

115 " 1220 "

P. M.																
1			Moored NNE	Calm	0		29.95	75	72	71		over	cumulus nimbus	4	S	
2			"	"	0		29.95	75	72	71		over	"	1	"	
3			"	SW	1		29.96	75	72	71		over	"	2	"	
4			WNW	"	1		29.96	75	72	71		"	"	3	"	
5			SW	Var.	0-1		29.96	74	72	71		"	cumulus nimbus	3	"	
6			"	"	0-1		29.96	74	72	71		"	"	2	"	
7			"	"	0-1		29.96	74	72	71		"	"	2	"	
8			WNW	"	0-1		29.96	74	73	71		"	cumulus stratus	3	"	
9			"	"	0-1		29.96	74	73	71		"	"	5	"	
10			NNE	NNE	1		29.96	74	73	71		"	cumulus	5	"	
11			"	Calm	0		29.96	73	71	69		"	"	5	"	
Mid.			"	"	0		29.96	73	71	69		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of *Commander W. H. McQuinn*  
*Tuesday June 24<sup>th</sup>*

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

*Commenced and until 4 A.M. Overcast and cloudy with passing showers. Calm with light airs from North last hour. Barometer steady. Aneroid 30.02.*

*4 to 8 A.M. Overcast cloudy and raining. Light airs from North and calms. At 7<sup>30</sup> Flagship made dress signal "All blue". Aneroid barometer 30.05.*

*8 A.M. to Meridian. Overcast and raining. Calm. Barometer steady. Comdg. Officer Lieut<sup>2</sup> Mackenzie Kellogg and Kohler left ship to serve on General Court martial on board Junia. Aneroid barometer 30.07.*

*Meridian to 4 P.M. Weather overcast and raining first half of watch, partly clear latter half. Barometer steady. Aneroid at end of watch 30.12.*

*4 to 8 P.M. Fair and pleasant. Light variable airs. Steady barometer. At 6<sup>30</sup> shortened and furled sail. At 6<sup>45</sup> made Intg<sup>4</sup> 4561. Flagship answered 904. Hoisted smokestack at 7<sup>00</sup> started fires under Nos. 1 and 3 for distilling. Aneroid at end of watch 30.14.*

*8 P.M. to Midnight. Weather clear and pleasant. Light variable airs and calms. Barometer steady. Began distilling at 10<sup>00</sup>. Aneroid barometer at end of watch 30.22.*

*Signed C. P. Reese Lieut.*

*Examined and found to be correct.*

*cc. 16° 31' 04" N.*

*low. New moon.*

*W. H. Parker*  
*Lieut. & Navigator.*



Steamer *Essex*  
*Hugasaki Japan.*

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the soil the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			<i>Wind NE</i>	<i>E</i>	<i>1</i>		<i>29.98737269</i>					<i>bc</i>	<i>cicum</i>	<i>7</i>	<i>S</i>	
2					<i>1</i>		<i>29.98737169</i>					<i>bc</i>	<i>cicum</i>	<i>9</i>		
3					<i>1</i>		<i>29.98737169</i>							<i>0</i>		
4				<i>NE</i>	<i>1</i>		<i>29.98737169</i>							<i>1</i>		
5					<i>1</i>		<i>29.99707068</i>					<i>bc</i>		<i>4</i>		
6					<i>1</i>		<i>30.00717069</i>							<i>4</i>		
7					<i>1</i>		<i>30.00717069</i>							<i>3</i>		
8					<i>1</i>		<i>30.00717169</i>							<i>5</i>		
9					<i>1</i>		<i>30.01737169</i>							<i>3</i>		
10					<i>1</i>		<i>30.03767269</i>							<i>2</i>		
11				<i>Calm</i>	<i>0</i>		<i>30.04777370</i>							<i>2</i>		
Noon.			<i>NE</i>	<i>SW</i>	<i>1</i>		<i>30.05777471</i>							<i>2</i>		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

350 gallons.

Water distilled during the preceding 24 hours

1780 "

Water remaining on hand fit for use at Noon

2000 "

Coal consumed during the preceding 24 hours

2 tons 760 lbs.

Coal remaining on hand at Noon

113 " 460 "

P. M.																
1			<i>NE</i>	<i>SW</i>	<i>1</i>		<i>30.05777471</i>					<i>bc</i>	<i>cicum</i>	<i>2</i>	<i>S</i>	
2					<i>1</i>		<i>30.04767471</i>							<i>2</i>		
3					<i>1</i>		<i>30.04767471</i>							<i>3</i>		
4					<i>1</i>		<i>30.04757471</i>							<i>2</i>		
5					<i>1</i>		<i>30.04757471</i>							<i>2</i>		
6					<i>1</i>		<i>30.04757471</i>							<i>2</i>		
7					<i>1</i>		<i>30.04757471</i>							<i>4</i>		
8					<i>1</i>		<i>30.06757471</i>							<i>3</i>		
9				<i>Calm</i>	<i>0</i>		<i>30.06747471</i>							<i>2</i>		
10			<i>NE</i>	<i>SW</i>	<i>1</i>		<i>30.06737471</i>							<i>6</i>		
11					<i>1</i>		<i>30.06737370</i>					<i>bc</i>		<i>5</i>		
Mid.			<i>NE</i>	<i>SW</i>	<i>1</i>		<i>30.06727270</i>					<i>bc</i>		<i>7</i>		

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commanded *A. B. M. Conrick*  
*Wednesday June 25<sup>th</sup>*

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence land until 4 A.M. Clear first hour, then overcast and cloudy. Light airs from E and N.E. Aneroid barometer at end of watch 30.05. Distilling.

4 to 8 A.M. Fair and pleasant. Light N.E. airs. Barometer steady. At 7<sup>30</sup> Flagship made chess signals. At 8<sup>22</sup> A.M. crossed top gallant and royal yards, and loosed sail to a bowline. Aneroid barometer 30.18.

8 A.M. to Meridian. Weather partly cloudy and warm. Light variable airs and calms. Barometer rising. The General Court-martial on board the "Junista" convened at 9<sup>30</sup>. Mustered at quarters at 9<sup>30</sup>. At 9<sup>30</sup> the Flagship made signal No. 5900. Reduced sail and exercised until 11<sup>30</sup> at sending down light yards, brading light sails, crossing light yards, making and furling sail, and reefing topsails, finished exercise, and all plain sail made, except Mainsail, and Spanker. At 10.55 the Flagship fired a salute of 11 guns with Japanese flag at the fore, in honor of the Japanese Commodore. Aneroid at end of watch 30.30.

Meridian to 4 P.M. Cloudy and pleasant. Light airs from S.W. At 2<sup>30</sup> sent Guard Boat to Flagship. At 3<sup>20</sup> Flagship made general signal 2526. Sent officer to Flagship with signal books in obedience to said signal. At 3<sup>20</sup> Flagship made general signal 4326. Shortened and furled sail, and sent down top gallant and royal yards, and unbent light sails. Aneroid barometer at end of watch 30.19. At 1<sup>10</sup> stopped distilling. Enlisted for cruise as Sds. Hayashi Kajiu.

4 to 8 P.M. Cloudy and pleasant. Light airs from S.W. Barometer rising. Mustered at quarters at 4<sup>45</sup>. Distilling. Aneroid at end of watch 30.20.

8 P.M. to Midnight. Cloudy first hour, clearing latter part of watch. Lightning. Calm and light variable airs. Distilling. Aneroid barometer 30.20.

Signed *R. O. Bitter* Ensign.

Coon's mid Examined and found to be correct.

W. 13° 44' 00" N

Phase. New moon.

*M. A. Parsons*  
Lieut. & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
			<i>Maced N by E</i>	<i>N by E</i>	1		30.05	71	71	69		<i>bc</i>	<i>cumst</i>	6	<i>P</i>	
2			"	"	1		30.05	71	71	69		"	"	4	"	
3			"	<i>NE</i>	1		30.04	71	70	69		"	"	5	"	
4			"	"	1		30.03	71	70	69		"	"	6	"	
5			"	<i>SW</i>	0-1		30.04	71	70	69		<i>bc</i>	<i>cumst</i>	3	"	
6			"	"	1		30.05	72	70	69		"	"	1	"	
7			<i>WN</i>	<i>Var.</i>	2		30.07	72	70	69		<i>bc</i>	"	0	"	
8			"	<i>E NE</i>	1		30.07	72	70	69		"	"	0	"	
9			<i>E NE</i>	"	1		30.07	71	71	70		"	"	0	"	
10			"	"	2		30.06	71	71	70		"	"	0	"	
11			"	"	2		30.06	71	71	70		"	"	0	"	
Noon.			"	"	2		30.06	71	71	70		<i>bc</i>	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

300 gallons.

Water *distilled* during the preceding 24 hours

1200 "

Water remaining on hand fit for use at Noon

2900 "

Coal consumed during the preceding 24 hours

1 tons 730 lbs.

Coal remaining on hand at Noon

111 " 1970 "

P. M.																
1			<i>E NE</i>	<i>East</i>	2		30.02	71	71	69		<i>bc</i>	<i>cumst</i>	4	<i>P</i>	
2			"	"	2		30.01	71	71	69		"	"	0	"	
3			"	"	2-4		29.98	70	70	69		<i>bc</i>	"	3	"	
4			"	"	2-4		29.97	70	70	68		"	"	2	"	
5			"	"	1		29.97	71	70	68		<i>bc</i>	"	2	"	
6			"	"	1		29.96	71	70	68		"	"	1	"	
7			"	<i>NE</i>	1		29.93	71	70	67		<i>bc</i>	"	2	"	
8			"	"	1		29.93	71	70	67		"	"	4	"	
9			<i>N by E</i>	<i>Calcut</i>	0		29.93	71	71	69		"	"	4	"	
10			"	"	0		29.91	71	71	69		"	"	4	"	
11			"	"	0		29.90	70	70	68		"	"	5	"	
Mid.			"	"	0		29.88	70	70	68		"	"	5	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander A. B. McCormick  
Thursday June 26<sup>th</sup>

, U. S. Navy,

1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced land until 4 A.M. Clear and pleasant. Light air from N by E. to N.E. Stopped distilling at 2<sup>nd</sup> Aneroid barometer 30.20.

4 to 8 A.M. Weather cloudy with light drizzling rain. Barometer rising. Aneroid barometer 30.22.

8 A.M. to Meridian. Overcast and rainy. Light breeze from E.N.E. At 9<sup>30</sup> mustered at quarters. At 9<sup>45</sup> Flagship made general signal 3318. Exercised 1, 2, & 3 divisions with revolvers, and 3 division at Gatling gun. Main division with snaffle. At 8<sup>45</sup> hauled fire, and lowered smokestack. Aneroid barometer 30.20.

Meridian to 4 P.M. Overcast and cloudy with light rain, partly clearing latter part. Gentle breeze from East with occasional puffs. Aneroid barometer 30.16.

4 to 8 P.M. Cloudy with drizzling rain first two hours. Light air from East and N.E. At 5<sup>00</sup> mustered at quarters. At 6<sup>00</sup> Flagship made signal 1087. Sent a boat in obedience to signal. Received on board from Flagship Alfred B. Rice (Sea) with bag, hammock, and necessary papers, he having been sentenced by General Court-martial to be confined in such vessel as Comdr in Chief should designate, and to solitary confinement on bread and water, for the period of 30 days, with full rations every fifth day, to lose three months pay, and at expiration of confinement to be reduced to rating of O.P. which sentence was approved by Comdr in Chief and to be carried into effect on board this ship. Aneroid barometer at end of watch 30.08.

8 P.M. to Midnight. Weather clearing. Calm. Barometer falling. Aneroid barometer 30.06.

Signed W.M. Swain Lieut.

Examined and found to be correct.

ex. 10° 13' 42" N.

ass New moon.

M. A. Parker  
Lieut. & Navigator.



LOG of the UNITED STATES

Steamer Essex, 3<sup>rd</sup> Rate, 6 Guns,  
Nagasaki, Japan.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
			Magnad NE	E N E	1		29.97	69	69	66		bc	cum	5	I	
2	"	"	"	"	1		29.96	69	69	66		"	"	7	"	
3	"	"	"	N N E	1		29.95	69	68	65		"	"	7	"	
4	"	"	"	"	1		29.94	68	68	65		"	"	4	"	
5	"	"	"	"	1		29.80	70	68	65		"	"	1	"	
6	"	"	"	"	1		29.78	70	68	65		"	"	2	"	
7	"	"	"	"	1		29.76	70	69	66		"	"	3	"	
8	"	"	"	"	1		29.76	70	69	66		"	"	3	"	
9	"	"	"	"	2		29.76	70	69	66		"	"	1	"	
10	"	"	"	"	2		29.78	70	70	67		bc	"	2	"	
11	"	"	"	"	2		29.75	70	71	67		"	"	1	"	
Noon.	"	"	"	N	2		29.72	70	71	68		bc	"	2	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2450 "

Coal consumed during the preceding 24 hours

tons 400 lbs.

Coal remaining on hand at Noon

111 " 1570 "

P. M.																
1	"		N by E	N	2		29.70	70	70	68		bc	cum	2	I	
2	"		"	"	2		29.68	72	70	68		"	"	1	"	
3	"		"	"	2		29.68	72	71	69		"	"	2	"	
4	"		"	"	2		29.68	72	72	70		bc	"	2	"	
5	"		"	"	1		29.68	72	72	70		bc	"	3	"	
6	"		"	Calms	0		29.66	75	73	70		"	cum	4	"	
7	"		SPW	SW	1		29.66	75	73	70		"	"	2	"	
8	"		"	"	1		29.67	75	73	70		"	"	1	"	
9	"		N	NNW	1		29.66	72	73	70		"	cum	5	"	
10	"		"	"	1		29.66	71	73	70		"	cum	8	"	
11	"		"	"	1		29.66	71	72	69		"	"	8	"	
Mid.	"		"	"	1		29.66	70	72	69		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of *Commander A. H. M. Conrick*, U. S. Navy,  
*Friday, June 27<sup>th</sup>*, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences land until 4 A.M. Clear and pleasant. Light variable  
airs. Aneroid barometer 30.02  
*Signed Wainwright Kellogg Lieut.*  
4 to 8 A.M. Cloudy. Light N.E. airs. At 7<sup>30</sup> Flagship made  
uniform signal and at 7<sup>45</sup> general signals 644 and 5156 the  
latter from which we were caused. Aneroid barometer 29.95.  
*Signed R. O. Bitter Ensign.*  
8 A.M. to Meridian Cloudy with occasional showers. Light air  
from N.E. to N. At 8<sup>30</sup> Flagship made telegraphic signals  
0935. 5815. 0088. 945. 6692. and 9318. At 9<sup>30</sup> Rear Admiral  
John Lee Davis with his staff came on board to inspect the  
ship, and was received with customary honors. All hands  
being at quarters, the ship and crew were inspected, followed  
by divisional drill, and "away all boats armed and equipped".  
Cleared ship for action, followed by general quarters, with the  
usual exercises, dismounting, transporting broadside gun, piv-  
oting rifled guns &c. Secured and went to fire quarters.  
Completed exercises at 12 O'clock. Aneroid barometer 29.90.  
*Signed W. M. Irwin Lieut.*  
Meridian to 4 P.M. Cloudy. Light showers of rain. Light air  
from North. At 1<sup>30</sup> Rear Admiral Davis left the ship.  
Aneroid barometer 29.88.  
*Signed Wainwright Kellogg Lieut.*  
4 to 8 P.M. Cloudy. Pleasant. Light air from N. to S.W. Mustered  
at quarters at 4<sup>45</sup>. Aneroid barometer 29.88.  
*Signed W. M. Irwin Lieut.*  
8 P.M. to Midnight. Clear and pleasant. Light air from  
N.W. Aneroid barometer 29.88.  
*Signed Wainwright Kellogg Lieut.*

and mid. Examined and found to be correct.  
6° 17' 22" N  
New moon.

*W. H. Parker*  
Lieut. & Navigator.



LOG of the UNITED STATES

Steamer Ossip  
Nagasaki Japan.

3rd Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
			Monard N	N	1		29.65	73	72	69		bc	cicum + cum	7	I	
2			NNE	Calu	0		29.66	72	72	69		"	"	7	"	
3			"	"	0		29.66	72	72	69		"	"	6	"	
4			"	"	0		29.66	72	72	67		"	"	5	"	
5			"	NE	1		29.66	72	71	68		"	"	4	"	
6			"	Calu	0		29.67	69	70	67		"	"	8	"	
7			"	NNE	1		29.67	70	70	67		"	cicum + cum	3	"	
8			"	"	1		29.69	71	71	69		"	"	5	"	
9			I	SE	2		29.70	73	72	69		"	cicum + cum	5	"	
10			"	"	2		29.70	70	73	70		"	"	6	"	
11			"	Wby S	2		29.70	70	73	70		"	"	7	"	
Noon.			PN	"	2		29.70	70	73	70		"	"	7	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

°

'

"

Longitude by D. R. at Noon

°

'

"

Latitude by Observations at Noon ⊙

°

'

"

Longitude by Chronometer from Forenoon Observations ⊙

°

'

"

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise

°

'

"

Variation of the Compass by Azimuth ⊙ observed at

°

'

"

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2150 "

Coal consumed during the preceding 24 hours

tons 400 lbs.

Coal remaining on hand at Noon

111 " 1170 "

P. M.																
1			West	Wby S	2		29.70	70	70	71		bc	cicum + cum	5	I	
2			"	"	2		29.70	70	70	70		"	"	3	"	
3			"	"	2		29.70	70	74	70		"	"	2	"	
4			"	"	2		29.70	70	70	71		"	"	3	"	
5			"	"	2		29.70	70	70	71		"	"	3	"	
6			"	"	2		29.70	76	70	71		"	"	4	"	
7			NNE	NNE	2		29.70	76	70	71		"	"	4	"	
8			"	"	1		29.70	76	70	71		"	"	4	"	
9			"	"	1		29.70	74	73	70		"	"	7	"	
10			"	"	1		29.72	74	74	70		"	"	8	"	
11			N	NE	1		29.74	72	72	69		"	"	6	"	
Mid.			"	"	1		29.74	72	72	69		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙

°

'

"

Longitude by Chronometer from Observations

\*

°

'

"

Variation of the Compass by Amplitude observed at Sunset

°

'

"

Variation of the Compass by

at

°

'

"



under the command of *Commander A. H. M. Conrick*, U. S. Navy,  
*Saturday June 28<sup>th</sup>*, 188*4*.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Fair and pleasant. Calm to light airs from North. Steady barometer. Aneroid barometer 29.86.  
Signed *W. C. P. Muir* Ensign.  
4 to 8 A.M. Pleasant weather. Light airs from N.E. to N.W. and calm. At 7<sup>20</sup> Flagship made usual dress signals, and at 7<sup>50</sup> general signal 5456. Lowered sail to a binnacle. Aneroid barometer 29.88.  
Signed *W. M. Irwin* Lieut.  
8 A.M. to Meridian. Clear and warm. Light variable airs. At 9<sup>30</sup> mustered at quarters. Aneroid barometer 29.89.  
Signed *Wainwright Kellogg* Lieut.  
Meridian to 4 P.M. Fair and pleasant. Light W by S winds. Barometer steady. At 1<sup>53</sup> shortened sail with Flagship and furlled at 3<sup>25</sup>. At 3<sup>25</sup> made wigwag signal to Flagship, "In general is Jack to be hoisted under paragraph 12, Squadron Regulations, when awnings are tried up. Flagship answered 'Yes'." Aneroid barometer 29.88.  
Signed *W. C. P. Muir* Ensign.  
4 to 8 P.M. Clear and pleasant. Light breeze from W by S to N.W. Mustered at quarters at 4<sup>40</sup>. Aneroid barometer 29.90.  
Signed *Wainwright Kellogg* Lieut.  
8 P.M. to Midnight. Fair and pleasant. Light N.W. airs. Rising barometer. Aneroid barometer 29.92. Clear house.  
Signed *W. C. P. Muir* Ensign.

on land Examined and found to be correct.

" 2° 10' 35" N

and New Moon.

*W. J. Parker*  
Lieut. & Navigator.



Hour.	Knots.	Fathoms.	Course steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at/d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
			<i>Maryland N. E.</i>	<i>N. W.</i>	<i>1</i>		<i>29.74</i>	<i>72</i>	<i>71</i>	<i>69</i>		<i>bc</i>	<i>cicum</i>	<i>7</i>	<i>S</i>	
2			"	<i>N. E.</i>	<i>0-1</i>		<i>29.74</i>	<i>72</i>	<i>71</i>	<i>69</i>		"	"	<i>6</i>	"	
3			"	"	<i>0-1</i>		<i>29.74</i>	<i>72</i>	<i>71</i>	<i>69</i>		"	"	<i>2</i>	"	
4			"	<i>Calm</i>	<i>0</i>		<i>29.73</i>	<i>72</i>	<i>71</i>	<i>69</i>		<i>bc</i>	"	<i>2</i>	"	
5			"	"	<i>0</i>		<i>29.70</i>	<i>70</i>	<i>70</i>	<i>69</i>		"	"	<i>3</i>	"	
6			"	"	<i>0</i>		<i>29.77</i>	<i>70</i>	<i>70</i>	<i>68</i>		"	"	<i>2</i>	"	
7			"	"	<i>0</i>		<i>29.78</i>	<i>71</i>	<i>71</i>	<i>69</i>		<i>bc</i>	"	<i>0</i>	"	
8			"	"	<i>0</i>		<i>29.79</i>	<i>71</i>	<i>71</i>	<i>69</i>		<i>bc</i>	"	<i>1</i>	"	
9			"	"	<i>0</i>		<i>29.79</i>	<i>71</i>	<i>71</i>	<i>69</i>		"	"	<i>2</i>	"	
10			"	"	<i>0</i>		<i>29.82</i>	<i>70</i>	<i>74</i>	<i>69</i>		"	"	<i>1</i>	"	
11			<i>W. S. W.</i>	<i>W. S. W.</i>	<i>1</i>		<i>29.83</i>	<i>70</i>	<i>74</i>	<i>70</i>		"	"	<i>2</i>	"	
Noon.			"	"	<i>1</i>		<i>29.84</i>	<i>70</i>	<i>74</i>	<i>70</i>		"	"	<i>2</i>	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1850 "

Coal consumed during the preceding 24 hours

tons 1100 lbs.

Coal remaining on hand at Noon

111 " 770 "

P. M.																
1			<i>W. S. W.</i>	<i>W. S. W.</i>	<i>2</i>		<i>29.84</i>	<i>70</i>	<i>74</i>	<i>70</i>		<i>bc</i>	<i>cicum</i>	<i>11</i>	<i>S</i>	
2			"	"	<i>2</i>		<i>29.84</i>	<i>70</i>	<i>70</i>	<i>70</i>		"	"	<i>4</i>	"	
3			"	"	<i>2</i>		<i>29.84</i>	<i>70</i>	<i>74</i>	<i>70</i>		"	<i>cicum</i>	<i>5</i>	"	
4			"	"	<i>2</i>		<i>29.83</i>	<i>70</i>	<i>70</i>	<i>71</i>		"	"	<i>1</i>	"	
5			"	"	<i>2</i>		<i>29.83</i>	<i>70</i>	<i>70</i>	<i>71</i>		"	"	<i>3</i>	"	
6			"	"	<i>2</i>		<i>29.83</i>	<i>70</i>	<i>74</i>	<i>70</i>		"	<i>cicum</i>	<i>3</i>	"	
7			"	"	<i>2</i>		<i>29.83</i>	<i>74</i>	<i>73</i>	<i>69</i>		"	"	<i>4</i>	"	
8			"	"	<i>2</i>		<i>29.83</i>	<i>74</i>	<i>73</i>	<i>69</i>		"	<i>cicum</i>	<i>3</i>	"	
9			"	"	<i>1</i>		<i>29.83</i>	<i>74</i>	<i>73</i>	<i>69</i>		"	"	<i>4</i>	"	
10			"	"	<i>1</i>		<i>29.83</i>	<i>74</i>	<i>73</i>	<i>69</i>		"	"	<i>5</i>	"	
11			"	"	<i>1</i>		<i>29.83</i>	<i>74</i>	<i>70</i>	<i>69</i>		"	"	<i>6</i>	"	
Mid.			"	"	<i>1</i>		<i>29.83</i>	<i>74</i>	<i>73</i>	<i>69</i>		"	"	<i>6</i>	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of *Commander A. H. M. Conrick*, U. S. Navy,  
*Sunday, June 29<sup>th</sup>*, 188*4*

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather clear and pleasant. Light breeze from N.W. to N.E. Barometer steady. Aneroid barometer 29.98.  
*Signed. Karl Rohrer. Lieut*  
11 to 8 A.M. Cloudy. Hazy. Calm. Aneroid barometer 29.99.  
*Signed. Hamwright Kellogg. Lieut*  
8 A.M. to Meridian Cloudy and pleasant, Calm to light N.E. winds. Barometer rising slowly. At 9.30 called all hands to muster and read General Court martial orders in case of Ensign Wakenshaw and Seaman Price. Flagship made wigwag signal. "How long has drummer to serve?" Answered "13 months" Flagship signalled "How much sea service has he put in?" Ans. "Nearly 3 years" Aneroid 30.00.  
*Signed. W. C. P. Muir. Ensign*  
Meridian to 11 P.M. Weather clear and pleasant. Light breeze from N.E. Barometer steady. The flagship signalled by Meyer's Code "I have noticed that the bells of your ship have been struck before the flagships" "Follow the motions of the flagship in all small drill." Aneroid barometer 29.99.  
*Signed. Karl Rohrer. Lieut*  
11 to 8 P.M. Cloudy and pleasant, Light N.E. winds. Steady barometer. At 6<sup>30</sup> M.S.S. Trenton came in and made her numbers. Made per numbers after flagship. Trenton made signal 5573. Flagship made general signal 1308. which was answered by Trenton and this vessel. Trenton anchored at 6.45. Flagship made general signal 5573. Answered by Trenton and this vessel. Aneroid 30.00.  
*Signed. W. C. P. Muir. Ensign*  
8 P.M. to Midnight, Weather clear and pleasant. Light breeze from N.E. Barometer steady. Aneroid barometer 30.02.  
*Signed. Karl Rohrer. Lieut*

looked mid Examined and found to be correct.  
Dec 1° 54' 41" S.  
Phase. New moon

*W. J. Parker*  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
	Moored	S. W. x S.	S. S. W.	2			29.83	73	73	69		bc	Pir Cum	6	S	
2	"	"	"	2			29.83	73	73	69		"	"	5	"	
3	"	"	"	1			29.80	73	72	69		"	"	14	"	
4	"	"	"	1			29.82	73	72	69		"	"	5	"	
5	"	"	"	1			29.84	73	72	69		"	"	2	"	
6	"	"	"	1			29.86	73	72	69		"	"	2	"	
7	"	"	"	Calcu	0		29.88	72	72	68		"	"	2	"	
8	"	"	"	0			29.88	72	71	68		"	"	1	"	
9	"	S x E.	S. E.	1			29.88	73	72	68		"	"	14	"	
10	"	"	"	1			29.88	75	75	69		"	"	5	"	
11	"	S	"	2			29.88	75	75	69		oc	"	0	"	
Noon.	"	"	"	2			29.88	75	75	69		ocp.	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1550 "

Coal consumed during the preceding 24 hours

tons 100 lbs.

Coal remaining on hand at Noon

111 " 370 "

P. M.																
1	"	S x E	S. S. E.	2			29.88	74	75	69		bc	Pir Cum	2	"	
2	"	"	"	3			29.86	74	75	69		"	"	2	"	
3	"	"	"	3			29.83	74	75	69		"	"	2	"	
4	"	"	"	2			29.80	73	75	69		"	"	1	"	
5	"	"	S. E.	2			29.77	75	75	74		ocd	Pir Cum	0	"	
6	"	"	"	2-3			29.74	75	75	74		ocv	"	0	"	
7	"	S. S. W.	S. S. W.	3-4			29.72	76	77	76		ocq. s.	"	0	"	
8	"	"	"	3-4			29.70	77	77	76		ocq. p.	"	0	"	
9	"	"	"	3-5			29.73	77	77	76		ocq. s.	"	0	"	
10	"	"	"	3-4			29.73	77	77	76		"	"	0	"	
11	"	"	"	3-5			29.78	77	75	74		"	"	0	"	
Mid.	"	"	"	3-5			29.71	76	75	74		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of *Commander A. H. M<sup>c</sup> Cormick*, U. S. Navy,  
*Monday, June 30<sup>th</sup>*, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather clear and pleasant. Light airs from S<sup>e</sup>, and W<sup>e</sup>, Barometer steady. Aneroid 30.10.  
Signed. *C. P. Russ.* Lieut.  
4 to 8 A.M. Cloudy but pleasant. Calm to light S. S. W. winds. Barometer rising slowly. At 7.30 flagship made dress signals. Aneroid bar. 30.05.  
Signed. *W. B. P. Muir.* Ensign.  
8 A.M. to Meridian. Weather cloudy. Light passing showers of rain in latter part of watch. At 9.30 mustered at quarters and drilled gun divisions in revolver drill. At 10.25 hoisted out steam cutter. At 10.50 the Admiral left the Enterprise she saluting his flag with 13 guns as it was hauled down. The Trenton saluted his flag with 13 guns as they broke it upon his arrival on board. The Trenton saluted the Chinese flag with 7 guns. Aneroid barometer 30.02. John A. Coburn (Capp.) was given ten days in double iron from 5 pm until 5 am by order of Captain for absence without leave. E. S. Carr. (Os) was given eight hours extra duty by order of Captain for carelessness in striking ship's bell.  
Signed. *Karl Rohrer.* Lieut.  
Meridian to 11 P.M. Weather cloudy and pleasant. Gentle breeze from E. S. E. Barometer steady. Transferred John Sullivan (P.M.) to Juniata and C. Fudge (S.C.) and W<sup>m</sup> Klein (Lamp lighter) to U.S.S. Enterprise. At 2.50 the Trenton fired a salute of 7 guns with the American flag at the fore in honor of the American Consul. At 3.10 the Japanese man of war fired a salute of 7 guns with the American flag at the fore in honor of the American Consul. By order of Commanding Officer placed Geo. H. Jordan. (Lds) under sentence of death to await investigation for insubordination. Aneroid at end of watch 30.28.  
Signed. *C. P. Russ.* Lieut.  
4 to 8. Overcast and raining. Breeze light to moderate in squalls from S. E. to S. S. W. Barometer falling. Hoisted steam cutter. Trenton made signal "After sunset send down royal yards." Sent down royal yards. Placed John A. Coburn (Capp.) in double iron at 5 pm. in accordance with Captain's order in his case. Received from Enterprise the following men, Jas. C. Dolly (Os 2cl) R. J. M<sup>c</sup> Farland. (Os) Jas. Johnson. (Lds) Tho<sup>s</sup> Perry (Lds) C. P. Johnson. (Os 2cl) C. W. Barclay. (Os 2cl) Thomas Carr. (Os 2cl) and Edw<sup>d</sup> C. Perry. (Os 2cl) Aneroid barometer 29.90.  
Signed. *Karl Rohrer.* Lieut.  
8 P.M. to Midnight. Weather overcast squally and raining. Barometer falling. Aneroid at end of watch 29.88.  
Signed. *C. P. Russ.* Lieut.

Howland Examined and found to be correct.  
5° 18' 38" S.  
Place, First quarter

*W. J. Parker*  
Lieut-3 Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the soil the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
	Moored		S. S. W	S. S. W	2-5		29.71	76	75	74		ocgd	cum. & nimbs	0	S	
2	"		S. W	S. W	2-5		29.71	76	75	74		"	"	0	"	
3	"		"	"	2-5		29.72	76	75	74		"	"	0	"	
4	"		"	"	2-5		29.72	76	75	74		"	"	0	"	
5	"		"	"	2		29.72	76	75	74		"	"	0	"	
6	"		"	"	2		29.71	75	75	74		ocN	"	0	"	
7	"		"	"	2		29.71	75	74	73		"	"	0	"	
8	"		"	"	2		29.71	75	74	73		"	"	0	"	
9	"		"	"	2		29.75	75	74	73		ocd	"	0	"	
10	"		"	"	2		29.75	75	74	73		"	"	0	"	
11	"		"	"	2		29.75	76	74	73		"	"	0	"	
Noon.	"		"	"	2		29.75	76	74	73		"	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1250 "

Coal consumed during the preceding 24 hours

tons 620 lbs.

Coal remaining on hand at Noon

110 " 1990 "

P. M.																
1	"		S. W	S. W	1		29.77	78	75	74		ocN	cum. & nimbs	0	S	
2	"		"	"	1		29.77	78	75	74		"	"	0	"	
3	"		"	"	1		29.78	78	75	74		oc	"	0	"	
4	"		"	"	1		29.78	78	75	74		"	"	0	"	
5	"		"	"	1		29.78	76	74	73		"	"	0	"	
6	"		"	"	1		29.77	76	74	73		"	"	0	"	
7	"		"	"	1		29.77	76	74	73		ocd	"	0	"	
8	"		"	"	1		29.77	76	74	73		ocN	"	0	"	
9	"		S. W & W	S. W & W	1		29.81	78	75	73		bc	cum. & nimbs	1	"	
10	"		"	"	1		29.81	75	75	73		ocd	"	0	"	
11	"		S. W	S. W	2		29.81	75	75	73		"	"	0	"	
Mid.	"		"	"	2		29.81	75	75	73		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

" " "



under the command of

Commander A. H. M<sup>c</sup> Cormick  
Tuesday, July 1st

, U. S. Navy,  
1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

U. S. S. "Essex." 3d Rate  
Nagasaki, Japan. June 30, 1881  
Comdr A. H. M<sup>c</sup> Cormick U. S. N.  
Commanding  
Sir: We recommend the following named  
Ord Sea, App. be rated Seamen:—  
John Blumie, W<sup>m</sup> J. Orams, and George  
Wittinger  
Very respectfully  
Sgd. Hawthright Kellogg, Lieut  
Sgd. Karl. Pohrer " } Examining  
Sgd. C. P. Rus " } Board  
Lieut  
S. W.  
(Eds)  
at 9.30  
945, 6692  
Lilly, Eds.  
and  
in appre-  
law, Eds.  
Lieut  
mites 2996  
Lieut  
W. airs.  
S. J. M<sup>c</sup> Fadden, (Sea) M. A. Mahoney, (Capp.) A. M. Kitchen, (Os) J. S. Ellwell,  
(Sea) J. F. Heidenger (Drum) and Jacob Walhiser, (Pvt) were transferred to  
this vessel from Juniata, and John Burrance (Os) Patk Mahoney, (Os) and  
Rosario Curson (Os) from U. S. S. Trenton. Comdr A. H. M<sup>c</sup> Cormick and Lieut  
M. A. S. Mackenzie left the ship on survey duty on board the Enterprise, Amer-  
oid barometer 29.94  
Signed. A. C. Bitter, Ensign  
4 to 8 P. M. Weather overcast with light drizzling rain. Barometer steady.  
Light airs from S. W. Mustered at quarters at 2.45. At 6.05 flagship made signal  
No 6, 143. At 6.10 sent down topgallant yards. By order of Comdg Officer and  
John Flaherty (1st) M. Rielly (Eds) W. A. Lavelle (Pvt) and Robt. C. Marrett (Os) from  
Confinement. Aneroid at end of watch 30.00.  
Signed. C. P. Rus, Lieut  
8 P. M. to Midnight. Overcast and cloudy. Light airs to light breeze  
from S. W. by W to S. W. Aneroid barometer 30.00. Recd from U. S. S. Juniata  
86 Remington revolvers, with cartridge boxes, frogs and spare  
parts for same, also 430 ball cartridges. Cal 38.  
Signed. A. C. Bitter, Ensign

moon low  
Dec. 9° 23' 33" S.  
Phase. 1<sup>st</sup> Quarter

W. H. Parker  
Lieut & Navigator.







Commences and until 11 A.M. Overcast with drizzling rain. Squally from S. S.W. Aneroid barometer at end of watch 29.89.

Signed. A. O. Bitter. Ensign  
4 to 8 A.M. Weather overcast and rainy. Light breeze from S.W. Barometer rising slowly. At 7.30 flagship made signal for dress. "All blue" By order of Capt. tain placed A. C. Marett (OS) in double irons for safe keeping and at 5<sup>00</sup> released John A. Coburn (SCapp) At 7.55 flagship made signal 6144. Answerd. Aneroid barometer 29.93.

Signed. Karl Rohrer. Lieut  
8 A.M. to Meridian. Weather overcast and rainy. Light airs from S.W. Barometer steady. Mustered at quarters at 9.30. Found M. Rielly (Lds) Michl. Sullivan (1Cin) and W. A. Lavelle (Pot) absent without leave. At 9.25 the flagship made telegraphic signal 29.90. 0935. 898. 91. 5. 19. 19. 5. 24. 945. 6692 938. 9520 and at 9.40. 858. 3550. 9072. John Flaherty (1Cin) Matthias Rielly (Lds) and W. A. Lavelle, Pot were brought on board by police authorities and placed in double irons. A reward of \$10<sup>00</sup>, each, was paid for their apprehension and delivery. By order of Commanding Officer, Geo H. Jordan, Lds, was placed in double irons for five days for disobedience of orders. Seitichi Fukui was shipped as landman for special service. Aneroid barometer 29.96

Signed. C. P. Aus. Lieut  
Meridian to 11 P.M. Overcast with rain first two hours. Light S.W. airs. J. J. M<sup>o</sup> Fadden, (Sea) M. A. Mahoney (1Capp) A. M. Kitchen (OS) J. S. Ellwell, (Sea) J. J. Heidenger (Crum) and Jacob Walhiser (Pot) were transferred to this vessel from Juniata, and John Curran (OS) Patk Mahoney (OS) and Rosario Curson (OS) from U.S.S. Exton. Comdr A. H. M<sup>o</sup> Cormick and Lieut M. A. S. Mackenzie left the ship on survey duty on board the Enterprise. Aneroid barometer 29.94

Signed. A. O. Bitter. Ensign  
11 to 8 P.M. Weather overcast with light drizzling rain. Barometer steady. Light airs from S.W. Mustered at quarters at 2.45. At 6.05 flagship made signal No 6143. At 6.10 sent down top gallant yards. By order of Comdg Officer and John Flaherty (1Cin) M. Rielly (Lds) W. A. Lavelle (Pot) and Robt C. Marett (OS) from Confinement. Aneroid at end of watch 30.00.

Signed. C. P. Aus. Lieut  
8 P.M. to Midnight. Overcast and cloudy. Light airs to light breeze from S.W. by W to S.W. Aneroid barometer 30.00. Rec<sup>d</sup> from U.S.S. Juniata 86 Remington revolvers, with cartridge boxes, frogs and spare parts for same, also 1430 ball cartridges. Cal 38.

Signed. A. O. Bitter. Ensign

Moon Lomid Examined and found to be correct.  
Dec. 9<sup>o</sup> 23' 33" S.  
Phase. 1<sup>st</sup> Quarter

W. H. Parker  
Lieut & Navigator.



Nagasaki, Japan.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moored			N.	Calw	0		29.84	75	74	72		oc	Pic cum	0	8	
2	"		"	"	0		29.84	75	74	72		"	"	0	"	
3	"		"	"	0		29.84	75	74	72		ocv	"	0	"	
4	"		"	"	0		29.82	75	74	72		"	"	0	"	
5	"		"	N x N.	1		29.82	74	73	72		oc	"	0	"	
6	"		N x E	N x E	1		29.81	73	71	69		"	"	0	"	
7	"		"	"	1		29.81	72	70	69		"	"	0	"	
8	"		"	"	1		29.81	72	70	69		"	"	0	"	
9	"		N x E	N.	1		29.80	74	72	70		bc	Cum & Cir cum	2	"	
10	"		"	"	1		29.80	74	72	70		"	"	3	"	
11	"		"	"	1		29.80	75	73	70		"	"	1	"	
Noon.	"		"	"	1		29.80	75	73	70		ocd	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

950 "

Coal consumed during the preceding 24 hours

tons 820 lbs.

Coal remaining on hand at Noon

110 " 1150 "

P. M.																
1	"		N E	N.	2		29.83	75	73	70		ocd	Pic cum	0	"	
2	"		"	"	2		29.86	75	73	70		oc	"	0	"	
3	"		"	"	2		29.90	75	73	70		"	"	0	"	
4	"		"	"	2		29.93	75	73	70		"	"	0	"	
5	"		"	"	2		29.93	75	74	70		"	"	0	"	
6	"		"	"	2		29.91	75	74	70		"	"	0	"	
7	"		N.	N x E.	2		29.91	74	72	69		bc	"	2	"	
8	"		"	"	2		29.92	75	72	69		"	"	6	"	
9	"		"	N.	2		29.94	75	72	69		"	Pic	9	"	
10	"		"	"	2		29.96	75	70	68		"	"	9	"	
11	"		"	"	2		29.96	75	70	68		"	"	9	"	
Mid.	"		"	"	1		29.96	73	69	68		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>c</sup> Cormick

, U. S. Navy,

Wednesday, July 2.

, 1881

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Overcast and cloudy, rainy latter part of watch. Calm, Aneroid barometer 30.01.

Signed. W. M. Irwin.

Lieut

11 to 8. A.M. Weather overcast, Light airs from N<sup>e</sup> and E<sup>e</sup>, Barometer steady. A German man of war came in and anchored at 6.30. At 7.00 flagship made signal 5462. At 8<sup>00</sup> crossed topgallant and royal yards and lashed sail to a bowline. Aneroid at end of watch 30.09. Frank Paris (Sea) while exercising aloft in the line of duty fell from main top to footstock shrouds, and was lowered to deck in an insensible condition.

Signed.

J. A. Rous.

Lieut

8 A.M. to Meridian. Cloudy with light northerly airs. At 9.15 made general signal 3247 for C. B. M. to convene on board this vessel. At 9<sup>00</sup> G. B. M. of which Commander M<sup>c</sup> Cormick was President convened on board. Hoisted a gun and hoisted Jack at Mizzen. At 10<sup>00</sup> flagship made general signal 4826, Ans. and made general signal 4363 asking to be excused. Flagship answered 911. Lieut O. C. Berryman, U.S.M.C. left the ship on duty. Exercised 1<sup>st</sup> and 3<sup>d</sup> divisions at revolver drill. Aneroid barometer 30.10.

Signed. A. C. Pitter

Ensign

Meridian to 11 P.M. Cloudy and warm, Gentle breeze from North. Barometer rising. Japanese Corvette Konjo left the harbor at 2.15. Rec<sup>d</sup> official visits from Comdg Officers of German Corvette "Illis" and U.S. S. Trunton. At 6<sup>00</sup> G. B. M. adjourned. Aneroid barometer 30.10.

Signed. W. M. Irwin.

Lieut

11 to 8. P. M. Overcast first two hours, clearing toward latter part of watch. Light breeze from N to N by E. At 7.15 flagship made general signal 6068. Sent down topgallant and royal yards. At 11.45 mustered at quarters. Aneroid barometer 30.10.

Signed. A. C. Pitter.

Ensign

8 P. M. to Midnight Clear and pleasant. Bright moonlight, Gentle breeze from N. Aneroid barometer 30.11.

Signed. W. M. Irwin.

Lieut

Noon Lmid Examined and found to be correct.

Dec 12° 32' 09" S

Phase 1<sup>st</sup> Quarter.

W. H. Parker  
Lieut Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Mooned			N+E	Calcu	0		29.96	76	69	68		bc	pir	9	S	
2	"		"	"	0		29.96	76	69	68		"	"	9	"	
3	"		N+E	N+E.	1		29.96	70	69	67		"	"	8	"	
4	"		"	"	1		29.96	70	69	67		"	"	8	"	
5	"		"	"	2		29.97	70	67	66		"	"	8	"	
6	"		"	"	2		29.99	70	67	66		"	"	9	"	
7	"		"	"	2		30.00	71	68	66		"	"	9	"	
8	"		"	"	2		30.00	71	68	66		"	"	9	"	
9	"		"	N.	2		30.02	75	72	70		"	"	9	"	
10	"		"	"	2		30.01	75	74	71		"	"	8	"	
11	"		"	"	2		30.01	76	75	73		"	"	8	"	
Noon.	"		"	"	2		30.04	76	76	74		"	"	8	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

650 "

Coal consumed during the preceding 24 hours

tons 8 1/2 lbs.

Coal remaining on hand at Noon

110 " 310 "

P. M.																
1	"		N.	N.	2		30.04	76	77	75		bc	pir	8	"	
2	"		"	"	2		30.04	77	80	78		"	"	8	"	
3	"		S.W.	S.W.	2		30.03	78	79	78		"	"	8	"	
4	"		"	"	2		30.03	78	79	78		"	"	8	"	
5	"		"	"	2		30.03	79	78	77		"	"	8	"	
6	"		N+W.	N+W.	2		30.03	79	78	77		"	"	8	"	
7	"		"	"	2		30.04	79	78	77		"	"	6	"	
8	"		"	N.	2		30.06	78	78	77		"	"	3	"	
9	"		"	"	1		30.06	75	74	73		"	pir cum	5	"	
10	"		"	"	1		30.08	73	73	73		"	"	6	"	
11	"		"	"	1		30.10	74	71	69		"	"	7	"	
Mid.	"		"	"	1		30.10	74	70	69		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



Under the command of *Commander A. H. M<sup>c</sup> Cormick*  
*Thursday July 3<sup>d</sup>*

, U. S. Navy,  
1871.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Clear and pleasant. Balm to light variable  
airs last part of watch. Barometer steady. Aneroid at 11 A.M. 30.11 Clear  
hawse.

Signed. *W. B. P. Muir.* Ensign  
11 to 8 P.M. Clear and pleasant. Light N. N. E breeze. At 7.30 flagship  
made uniform signal. At 7.55 flagship made general signal 51, 62;  
crossed to the gallant and royal yards, and loosed sail to a boreline.  
Aneroid barometer 30.21.

Signed. *A. O. Pitter.* Ensign  
8 A.M. to Meridian. Clear and warm. Gentle breeze from N<sup>W</sup>. Hoisted  
out launch, and sent her to Naval storehouse for stores: received on  
board in Ord. Dept. one Lowell battery and one book case full of books  
for the Richmond. Mustered at quarters at 9.30 and exercised 1<sup>st</sup> Div at  
howitzer drill, 2<sup>d</sup> div. with small arms. 3<sup>d</sup> div with Gatling gun and  
Marine guard at skirmish drill. Comdg Officer paid an official  
visit to German Corvette "Illis" At 10<sup>00</sup> flagship made general signal  
3318. Answered, Rec<sup>d</sup> from U.S.S. Enterprise, Lieut. S. Dudley, (CS 20 and  
Geo. W. Lee (Coalheaver) with bags, hammocks, and necessary papers.  
Aneroid barometer 30.19.

Signed. *W. M. Irwin.* Lieut  
Meridian to 11 P.M. Clear and warm. Light North winds shifting  
to N.W. latter part of watch. Barometer falling slowly. Went to quarters  
at 1 P.M. and served out clean hammocks. At 11.10 shortened, and furled  
sail to general signal with flagship. Aneroid 30.20.

Signed. *W. B. P. Muir.* Ensign  
11 to 8 P.M. Pleasant weather. Gentle breeze from N by W. Mustered at  
quarters at 11.45. Hoisted in launch. At 12.25 flagship Trunton fired a  
salute of 7 guns with Portuguese flag at the fore. At 11<sup>35</sup> Russian  
corvette did the same. At 7.05 Trunton made general signal 60 68. fol-  
lowed by annulling flag and that by general signal 60 70. Sent down  
royal yards. Made preparations for dressing ship at daylight, saw  
bow fashion. Aneroid barometer 30.21.

Signed. *W. M. Irwin.* Lieut  
8 P.M. to Midnight, Clear and cool. Light airs from North. Bar-  
ometer rising. Clear hawse. Aneroid 30.25.

Signed. *W. B. P. Muir.* Ensign.

Moon Laid Examined and found to be correct.

Dec 15° 08' 58" S.

Phase, 1<sup>st</sup> Quarter

*W. H. Parker*  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
	Moored		N x E	N x E.	2		30.10	74	69	67		bc	cir strat 8	8		
2	"		"	"	2		30.10	74	69	67		"	cir strat 5	5		
3	"		"	"	2		30.10	74	69	67		"	"	8		
4	"		"	"	2		30.10	74	69	67		"	cir cumo 8	8		
5	"		"	"	1		30.12	74	70	68		"	"	3		
6	"		"	"	1		30.11	74	70	68		"	"	2		
7	"		"	"	1		30.11	74	70	68		"	"	3		
8	"		"	"	1		30.11	76	70	68		"	"	4		
9	"		"	"	1		30.16	74	74	71		"	"	4		
10	"		"	"	1		30.18	76	78	72		"	"	6		
11	"		"	"	2		30.20	76	76	72		"	"	7		
Noon.	"		East	E. S. E.	2		30.18	77	78	72		"	"	7		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

350 "

Coal consumed during the preceding 24 hours

tons 400 lbs.

Coal remaining on hand at Noon

109 " 2150 "

P. M.																
1	"		E. S. E.	calm	0		30.15	79	78	72		bc	cir cumo 7	7		
2	"		"	S	2		30.15	79	78	72		"	"	7		
3	"		"	"	2		30.13	78	78	72		"	"	7		
4	"		"	"	2		30.13	78	78	72		"	"	7		
5	"		"	"	1		30.11	79	78	73		"	"	6		
6	"		"	"	1		30.11	79	78	73		"	"	6		
7	"		N.	"	1		30.11	78	78	73		"	"	4		
8	"		"	calm	0		30.11	78	78	73		"	"	6		
9	"		N. W. x N.	"	0		30.11	77	78	70		"	"	6		
10	"		"	"	0		30.11	77	78	70		"	"	6		
11	"		N. W. x N.	"	0		30.11	76	76	70		"	"	6		
Mid.	"		"	"	0		30.13	75	78	69		"	"	3		

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



Under the command of

Commander A. B. M<sup>r</sup> Cornick  
Friday, July 11<sup>th</sup>

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Weather clear and pleasant, Light breeze from N by E. Barometer steady. Aneroid barometer 30.27.  
Signed. Karl Rohrer. Lieut

11 to 8 A.M. Pleasant weather. Light airs from N by E. Barometer steady. At daylight dressed ship rainbow-fashion in honours of the day. At 7<sup>30</sup> flagship made usual dress signals. Aneroid barometer 30.28.  
Signed. W. M. Irwin. Lieut

8 A.M. to Meridian. Fair and pleasant, Light N by E airs, shifting to E S E latter part of watch. At 9<sup>30</sup> went to quarters for inspection. Enlisted for cruises, special service, Satakesi Owuchida and Tojostki Yostochi, as landsmen. Aneroid at end of watch 30.29. Asst Engrs James M. Pickrell, reported for duty.  
Signed. W. B. P. Muir. Ensign

Meridian to 11 P.M. Weather clear and pleasant, Light breeze from S. Barometer falling. At Meridian the Flagship fired a salute of 21 guns, as did the Prussian corvette and a battery on shore. Transferred from Thomas Sea and Thomas Smith (1st) to the Enterprise and Benjamin Schunke, (1st) Walter Grahame (Sea) Albert Ipsen (Sea) John Hunter (Sea) and Martin Murphy (1st) to the Trenton. Aneroid 30.25.  
Signed. Karl Rohrer. Lieut

11 to 8 P.M. Fair and pleasant, Light airs from South. Barometer steady. Placed W<sup>m</sup> Spellman, Sea, in double irons under sentry's charge for safe-keeping by order of Commanding Officer. The following named men were transferred from the Trenton to this vessel: J. S. Buckley, (1st) W<sup>m</sup> C. Gripp, (1st) Stephen Craig (1st) and Adolph Kocher, (1st). Aneroid 30.26.  
Signed. W. B. P. Muir. Ensign

8 P.M. to Midnight. Clear and pleasant, Calm. At 9<sup>30</sup> illuminated ship having a rainbow of Japanese lanterns. Japanese lanterns from each mast-head stopped out to the yard arms, and running down to the waters edge. Japanese lanterns on the ridge ropes both sides and in the pivot and vacant ports, and in the gangways. At 9<sup>30</sup> undressed ship. Bunt Coston signals from each yard arm and from the flying jib boom end. Barometer steady. Aneroid 30.27.  
Signed. Karl Rohrer. Lieut

Moon and Examined and found to be correct.

Dec 17° 06' 11" S  
Phase, 1st Quarter.

W. H. Parker  
Lieut Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moored	"		N.	N.	1		30.10	75	75	75		bc	circum 3 cum	7	S	
2	"		"	"	1		30.13	75	75	74		"	"	6	"	
3	"		"	"	1		30.13	75	75	73		"	"	6	"	
4	"		"	"	1		30.13	75	75	73		"	"	7	"	
5	"		N.E.	S.E.	1		30.13	74	74	72		"	"	5	"	
6	"		"	"	1		30.13	74	74	72		"	"	3	"	
7	"		"	calm	0		30.12	76	74	73		"	"	7	"	
8	"		"	"	0		30.12	75	77	74		"	"	7	"	
9	"		E.	S.E.	1		30.12	77	77	74		"	"	6	"	
10	"		"	"	1		30.12	77	78	74		"	"	6	"	
11	"		"	S	1		30.12	79	79	74		"	"	4	"	
Noon.	"		"	"	2		30.12	79	79	74		"	"	4	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon " " "

Longitude by D. R. at Noon " " "

Latitude by Observations at Noon ☉ " " "

Longitude by Chronometer from Forenoon Observations ☉ " " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise " " "

Variation of the Compass by Azimuth ☉ observed at " " " "

Water expended during the preceding 24 hours 350 gallons.

Water *distilled* during the preceding 24 hours 1000 "

Water remaining on hand fit for use at Noon 1000 "

Coal consumed during the preceding 24 hours 1 tons 580 lbs.

Coal remaining on hand at Noon 108 " 1570 "

P. M.																
1	"		E.	S.	2		30.12	79	79	74		bc	circum 3	3	"	
2	"		"	"	1		30.10	80	83	77		"	"	2	"	
3	"		S.W.	S.W.	1		30.08	80	84	77		"	"	11	"	
4	"		"	"	1		30.06	80	84	77		"	"	5	"	
5	"		"	"	2		30.07	80	84	77		"	"	7	"	
6	"		"	"	2		30.07	80	84	77		"	"	7	"	
7	"		"	"	2		30.05	82	80	75		"	circum 3 cum	7	"	
8	"		"	"	2		30.03	82	80	75		"	"	8	"	
9	"		"	"	2		30.03	82	80	75		"	"	8	"	
10	"		"	"	2		30.04	80	80	75		"	"	7	"	
11	"		"	S.	1		30.04	80	80	75		"	"	7	"	
Mid.	"		"	"	1		30.04	80	80	75		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ☉ " " "

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset " " "

Variation of the Compass by at " " "



under the command of

Commander A. H. M<sup>o</sup> Connick  
Saturday, July 5

, U. S. Navy,

1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather clear and pleasant, Light  
airs from N<sup>e</sup>, Barometer rising. Aneroid at end of watch 30.20.  
Signed. C. P. Rus. Lieut

11 to 8 A.M. Clear and pleasant, Calm to light E. N. E. airs, Barometer  
falling slowly. Made preparations and started Lins under 1 and 3  
at 6 A.M. for distilling. Aneroid 30.25. Started distilling at 7.15.  
Released W<sup>m</sup> Spillman, (Sea) from confinement by order of commanding Officer.  
Signed. W. L. P. Miers. Ensign.

8 A.M. to Meridian. Weather clear and pleasant, Light breeze from  
S to S.E. At 9<sup>o</sup> mustered and inspected at quarters and turned in clean  
hammocks. Aired bedding in obedience to signal. Signalled to flag-  
ship permission to spread awning, the Aneroid. Yes Flagship sig-  
nalled How much money necessary to pay monthly money. Answered  
Money list \$2889, on board \$1950. Flagship signalled, Send boat  
with papers. Answered What papers. Flagship signalled, Send boat  
for papers. Released Geo H. Jordan, (Sea) from confinement by  
order of Captain, Aneroid barometer 30.41.  
Signed. Karl Rohrer. Lieut

Meridian to 11 P.M. Weather clear and warm, Light airs from  
S.E. By order of Rear Admiral J. L. Davis transferred Hans Karlson, (Sea)  
W<sup>m</sup> Penny, (Sea) and W<sup>m</sup> Spillman (Sea) to U.S.S. Juniata. By same  
authority the following officers reported for duty on board this ship.  
Viz: Ensign W<sup>m</sup> C. Hammon, and Ensign Edward Lloyd from  
Enterprise and Ensign (Junior Grade) Walter J. Sears, from U.S.S.  
Juniata. At 1<sup>o</sup> the flagship made signal 1803 with numeral 9.  
Aneroid at end of watch 30.14.  
Signed. C. P. Rus. Lieut

11 to 8 P.M. Weather clear and pleasant, Light breeze from S.W.  
Barometer falling. Distilling water. Flagship signalled "Officers  
will wear the uniform of the day until after sunset, after which it is  
optional" Aneroid barometer 30.15.  
Signed. Karl Rohrer. Lieut

8 P.M. until Midnight, Weather clear and pleasant, Light airs  
from S<sup>e</sup> and W<sup>e</sup>, Barometer steady. Aneroid at end of watch 30.15.  
Signed. C. P. Rus. Lieut

Moon Laid Examined and found to be correct.

Dec 18° 20' 44" S  
Phase, 1st Quarter.

N. H. Parker  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	Moored		S	S	1-3		30.03	80	78	74		bcg	pi cum	3	8	
2	"		"	"	1-3		30.02	79	78	75		"	"	11	"	
3	"		"	"	2		30.02	79	78	75		bc	"	1	"	
4	"		"	"	1		30.02	79	78	75		bc fu.	cum	2	"	
5	"		"	"	2		30.02	79	78	75		"	"	2	"	
6	"		S. S. W.	S. S. W.	2		29.99	79	78	75		"	"	2	"	
7	"		S.	S.	2		29.99	79	78	75		bc	cum & cir cum	3	"	
8	"		"	"	2		29.96	80	78	76		"	"	11	"	
9	"		"	"	2		29.96	83	81	78		"	"	5	"	
10	"		"	"	3		29.98	84	82	79		"	"	6	"	
11	"		"	"	11		30.00	85	83	79		"	"	6	"	
Noon.	"		"	"	11		30.00	85	83	79		"	"	7	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

300 gallons.

Water distilled during the preceding 24 hours

1500 "

Water remaining on hand fit for use at Noon

2200 "

Coal consumed during the preceding 24 hours

2 tons 1860 lbs.

Coal remaining on hand at Noon

105 " 1950 "

P. M.																
1	"	S. W.	S. W.	11	30.00	84	83	78		bc	cum & cir cum	5	"			
2	"	"	"	11	30.00	84	83	78		"	"	3	"			
3	"	"	"	11	30.00	84	83	78		"	"	11	"			
4	"	"	"	3	29.98	84	83	78		"	"	11	"			
5	"	"	"	3	29.96	84	83	78		"	"	11	"			
6	"	S. S. W.	S. S. W.	3	29.96	84	83	78		"	"	3	"			
7	"	"	"	3	29.96	84	83	78		"	"	5	"			
8	"	"	"	3	29.96	84	83	78		"	"	2	"			
9	"	"	S. W.	3	29.96	81	80	77		"	"	3	"			
10	"	"	"	3-11	29.96	81	80	77		"	"	2	"			
11	"	"	"	3-11	29.96	81	80	77		"	"	3	"			
Mid.	"	"	"	3-11	29.96	81	80	77		"	"	3	"			

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>c</sup> Cormick  
Sunday, July 6.

, U. S. Navy,

, 1871.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and pleasant Wind from South with occasional puffs first two hours. Drizzling rain last hour. Aneroid barometer 30.13. Distilling.

Signed.

A. O. Bitter

Ensign

4 to 8 A.M. Weather pleasant, Light passing showers of rain. Light breeze from S. to S.S.W. Barometer falling. Received on board for crew 132 lbs of fresh beef and 152 lbs of vegetables and 125 loaves of bread. Distilling water. Aneroid barometer 30.11

Signed.

Karl Kohler.

Lieut

8 A.M. to Meridian. Weather clear and warm. Gentle breeze from S.W. Barometer rising. Called all hands to muster at 9.30. Read Articles for the better Government of the Navy. Read Courtmartial Orders and mustered the crew. Aneroid barometer at end of watch 30.10.

Signed.

C. P. Aus.

Lieut

Meridian to 4 P.M. Cloudy and warm. Gentle to moderate breeze from S.W. Ah Mau, (Id.) was discharged from this ship and from the U.S. Naval Service. Henry Gilbert Seal was transferred to the U.S.S. "Trenton" with bag hammock and accounts. Aneroid 30.07.

Signed

A. O. Bitter.

Ensign

4 to 8 P.M. Weather clear and warm, Gentle breeze from S.S.W. Barometer steady. Distilling. Aneroid at end of watch 30.08.

Signed.

C. P. Aus.

Lieut

8 P.M. to Midnight, Cloudy with gentle to moderate breeze from S.W. At 8.15 stopped distilling and hauled fire. Aneroid barometer 30.09.

Signed.

A. O. Bitter.

Ensign

Moon mid Examined and found to be correct.

Dec 18° 47' 20" S.

Phase. 1st Quarter

W. H. Parker  
Lieut 3 Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
	Moored		SSW	SSW	2-11		29.96	81	79	77		b.c.g.	cumy arcum	1	S	
2	"		"	"	2-11		29.96	81	79	77		"	"	3	"	
3	"		"	"	2-11		29.96	81	79	77		"	"	1	"	
4	"		"	"	2-11		29.96	81	79	77		"	"	4	"	
5	"		"	"	2-11		29.96	81	79	77		"	"	3	"	
6	"		"	"	2-11		29.98	81	77	77		"	"	2	"	
7	"		"	"	2		29.98	81	77	77		b.c.	"	3	"	
8	"		"	"	2		29.98	81	77	77		"	"	3	"	
9	"		"	"	2		30.00	82	81	77		"	"	5	"	
10	"		"	"	2-3		30.00	82	82	78		"	ci cum arcum	2	"	
11	"		"	"	2-3		30.01	82	82	78		"	"	2	"	
Noon.	"		"	"	2-11		30.01	83	83	79		"	"	3	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

300 gallons.

Water Distilled during the preceding 24 hours

1150 "

Water remaining on hand fit for use at Noon

3050 "

Coal consumed during the preceding 24 hours

tons 1940 lbs.

Coal remaining on hand at Noon

105 " 10 "

P. M.																
1	"		S.W.	S.W.	11		30.01	84	83	79		b.c.	ci, cum	5	"	
2	"		"	"	11		30.01	84	83	79		"	"	6	"	
3	"		"	"	11		30.01	84	83	79		"	"	5	"	
4	"		"	"	11		30.02	84	83	79		"	"	11	"	
5	"		"	"	11		30.00	84	83	79		"	"	3	"	
6	"		"	"	11		30.00	82	81	77		"	"	1	"	
7	"		"	"	3		30.00	82	81	77		"	"	1	"	
8	"		"	"	3		30.00	81	80	76		"	"	3	"	
9	"		S.W.	S.W.	2		30.00	81	80	76		"	"	2	"	
10	"		"	"	2		30.02	80	80	76		"	"	2	"	
11	"		"	"	3		30.02	80	80	76		b.c.p.	cumy arcum	2	"	
Mid.	"		"	"	3		30.02	80	79	77		"	"	1	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of *Commander A. H. M<sup>c</sup> Cormick*, U. S. Navy,  
*Monday, July 7*, 188*4*.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 1 A.M. Cloudy. Light to moderate breeze from S. S. W. Aneroid barometer 30.08.

Signed. *W. M. Irwin*. Lieutenant  
1 to 8 A.M. Weather cloudy and warm. Gentle breeze from S. S. W. Barometer steady. At 7.55 Flagship made signal 6071. At 8.00 crossed royal yards. Aneroid at end of watch 30.10.

Signed. *C. P. Rees*. Lieutenant  
8 A.M. to Meridian. Cloudy and warm. Light to moderate breeze from S. S. W. At 9.15 hoisted out sailing launch, and sent her to Mitsui Bitsu lighter for some pork. Received on board in Pay Dept 14 bbls of Pork, and 2 bbls of Sugar. Hoisted in launch again. At 9<sup>30</sup> mustered at quarters, and had divisional drills, and battalion drill. At 9<sup>40</sup> Flagship made general signal 3316. numeral 10. At 11<sup>00</sup> sent boat to Flagship in obedience to signal. Aneroid barometer 30.10. At 10<sup>30</sup> sent guard boat to Juniata in answer to signal and then to Flagship.

Signed. *A. O. Pitter*. Ensign  
Meridian to 11 P.M. Cloudy and warm. Moderate breeze from S. W. At 1<sup>00</sup> Flagship made signal 3897 with Essex, distinguishing pennant at port main topsail yard arm. At 1<sup>20</sup> a Board of Survey (Medical) of which Surgeon George W. Woods, U. S. N. was the Senior Member met on board this ship. Frank A. Whitney, (O. Sea. App.) was transferred to this ship from the U. S. S. Enterprise. Aneroid barometer 30.12.

Signed. *W. M. Irwin*. Lieutenant  
4 to 8 P.M. Cloudy and warm. Gentle to moderate breeze from S. S. W. Barometer steady. At 4.45 mustered at quarters. August Dorman, (Ship's Cook), and John Kearny, (C.F.), absent without leave. At 7<sup>05</sup> Flagship made general signal 6640. Sent down top gallant, and royal yards, and top gallant, masts. George Lane (Sea) was transferred to this ship from the U. S. S. Trenton, also W<sup>m</sup> Featherstone (Sds.) enlisted for cruise of the Trenton was transferred to this vessel to be taken to the U. S. and discharged. Aneroid barometer 30.12.

Signed. *A. O. Pitter*. Ensign  
8 P.M. to Midnight. Cloudy with passing showers latter part. Moderate breeze from S by W. with occasional puffs. Aneroid barometer 30.15.

Signed. *W. M. Irwin*. Lieutenant

Moon L mid Examined and found to be correct.  
Dec. 18° 32' 52" S.  
Phase. 1st Quarter.

*W. H. Parker*  
Lieut<sup>2d</sup> Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Form of Clouds by symbols.	Prop of Clear sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
	Started		S <sup>W</sup>	S <sup>W</sup>	3-11		30.01	79	79	76		ocqd	cum. 3	0		S
2	"		"	"	3-11		30.01	79	79	77		ocqd	"	0	"	"
3	"		"	"	3		30.01	77	76	74		ocv	"	0	"	"
4	"		"	"	3		30.01	77	76	74		"	"	0	"	"
5	"		"	"	3		30.01	76	76	73		"	"	0	"	"
6	"		S <sup>W</sup>	Calms	0		30.02	76	76	74		"	"	0	"	"
7	"		"	"	0		30.02	76	76	74		"	"	0	"	"
8	"		E. S. E.	"	0		30.02	76	76	74		"	"	0	"	"
9	"		"	S. E.	1		30.02	78	76	74		"	"	0	"	"
10	"		"	"	1		30.06	78	76	74		"	"	0	"	"
11	"		"	E. S. E.	2		30.11	78	76	74		"	"	0	"	"
Noon.	"		"	"	2		30.06	79	76	74		"	"	0	"	"

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ⊙

" " "

Longitude by Chronometer from Forenoon Observations ⊙

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise

" " "

Variation of the Compass by Azimuth ⊙ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2850 "

Coal consumed during the preceding 24 hours

tons 100 lbs.

Coal remaining on hand at Noon

1044 " 1860 "

P. M.																
1	"	N. E. x E.	S.	1		30.06	76	74	73		ocv	cum. 3	0	"		
2	"	"	E. S. E.	2		30.08	75	74	73		"	"	0	"		
3	"	"	"	2		30.09	75	74	73		oc	"	0	"		
4	"	"	"	1		30.06	75	74	71		"	"	0	"		
5	"	E. S. E.	E.	1		30.05	74	73	71		"	"	0	"		
6	"	N. E.	"	1		30.07	75	74	72		"	"	0	"		
7	"	"	Calms	0		30.07	75	74	72		"	cum. 3	0	"		
8	"	"	"	0		30.07	75	74	72		ocv	cum. 3	0	"		
9	"	S. W.	S. W.	1		30.08	75	75	73		ocd	"	0	"		
10	"	"	"	2		30.08	75	75	73		ocv	"	0	"		
11	"	"	"	3		30.09	75	74	73		oc	"	0	"		
Mid.	"	"	"	3		30.10	75	74	73		"	"	0	"		

Longitude by Chronometer from Afternoon Observations ⊙

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. McCormick  
Tuesday, July 8.

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy, rainy and squally weather. Wind in puffs from S by W. Barometer steady. Cross in hawse. Aneroid barometer at end of watch 30.16.

Signed Edward Lloyd, Jr. Ensign.  
4 to 8 A.M. Overcast and rainy. Gentle breeze from S by W. first hour, then falling calm. Received on board in Pay Dept. 188 lbs of fresh beef and vegetables and 107 lbs of bread. At 7.58 Flagship made signal that routine drill was suspended.

Signal. R. O. Pitter Ensign  
8 A.M. until Meridian. Overcast cloudy and rainy, slightly clearing at the close. At 11<sup>55</sup> Flagship made signal 1087. In obedience to signal sent a boat to Flagship. Aneroid barometer 30.23. At 11<sup>45</sup> Lieut W. R. S. Mackenzie was placed under arrest by order of the Commander in Chief.

Signed W. M. Irwin. Lieut.  
Meridian to 11 P.M. First half cloudy and rainy, last half cloudy and threatening rain. Light airs from South first hour, from E.S.E. remainder of watch. Aneroid barometer 30.24. At 1.15 Flagship made general signal 3317. and at 1.30 general telegraphic signal 2990. 0935. 2907. 9420. 945. 6863. 16<sup>44</sup> 13. Cross in hawse.

Signed Edward Lloyd, Jr. Ensign  
4 to 8 P.M. Overcast and cloudy. Light airs from E. first two hours, calm latter part. Barometer steady. Aneroid barometer 30.22. Cross in hawse.

Signed W. M. Irwin. Lieut.  
8 P.M. to Midnight. Cloudy weather with light drizzling rain first half of watch. Light to gentle breeze from S.W. Barometer rising. Cross in hawse. Aneroid barometer at end of watch 30.26.

Signed Edward Lloyd, Jr. Ensign

Moon Laid Examined and found to be correct.

Dec 17° 07' 24" S.  
Phase. 1<sup>st</sup> Quarter

W. H. Parker  
Lieut. & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moored			S. S. E.	S x N	2		30.10	75	74	72		oc	Cum 8	0	S	
2	"		"	"	1		30.10	75	74	72		"	"	0	"	
3	"		"	"	1		30.10	75	74	72		"	"	0	"	
4	"		N x N.	Calcu	0		30.10	75	74	72		"	"	0	"	
5	"		S x E	E S E	2		30.10	73	73	71		"	"	0	"	
6	"		"	"	2		30.10	73	72	70		bc	Cir Cum 3	0	"	
7	"		"	"	2		30.10	73	72	70		oc	"	0	"	
8	"		"	"	2		30.10	73	72	70		"	"	0	"	
9	"		S x N.	"	1		30.10	74	73	71		"	"	0	"	
10	"		"	"	1		30.10	74	73	71		bc	Cum 8	2	"	
11	"		N x E	Calcu	0		30.10	76	75	72		"	"	3	"	
Noon.	"		N. N. W.	"	0		30.10	78	78	73		"	"	3	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2550 "

Coal consumed during the preceding 24 hours

tons 1060 lbs.

Coal remaining on hand at Noon

118 " 790 "

P. M.																
1	"		N	N	1		30.12	79	79	74		bc	Cir Cum 3	5	"	
2	"		"	"	2		30.11	80	80	75		"	"	4	"	
3	"		"	"	2		30.11	80	80	75		"	"	3	"	
4	"		"	"	2		30.10	80	80	75		"	"	2	"	
5	"		"	"	1		30.10	81	80	74		"	"	2	"	
6	"		S. N.	N. S. N.	1		30.10	80	79	74		"	"	3	"	
7	"		"	"	1		30.10	80	79	74		"	"	3	"	
8	"		S. N. x N.	S. N.	1		30.10	80	79	74		"	"	2	"	
9	"		N.	N.	1		30.07	77	77	74		"	"	2	"	
10	"		"	"	1		30.07	77	77	74		"	"	1	"	
11	"		N. E.	E.	1		30.07	77	76	73		"	"	2	"	
Mid.	"		"	"	1		30.07	77	76	73		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. McCormick

, U. S. Navy,

Wednesday, July 9

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy, Pleasant, light airs from S. S. E. and calms. Aneroid 30.22.

Signed, Wainwright Kellogg, Lieut  
4 to 8 A.M. Cloudy and cool. Gentle breeze from E. S. E. At 7.00. Coal-lighter came alongside: commenced coaling ship. At 7.30 Flagship made the usual dress signals. At 7.55 Flagship made general signal 6110: sent up top gallant masts, and crossed top gallant and royal yards. Aneroid barometer 30.23.

Signed, W. McIrvine, Lieut  
8 A.M. to Meridian. Partly overcast and warm. Light airs from E. S. E. first half, calm last half of watch. Barometer steady. At 9.30 mustered at quarters. Received on board 14 tons of coal. From 9.50 to 10.45 exercised with fleet at sail and spar drill in obedience to the following general signals from Flagship: viz, 3253, 5521, 6068, 5955, 5456, 5424, 4737. At 11.00 Flagship made officers dress signal. At noon Enterprise made general signal 3247. Clear hawse. Aneroid barometer 30.25

Signed, Edward Lloyd, Jr. Ensign.  
Meridian to 12 P.M. Clear and warm. Light breeze from West. At 1.00 General Court Martial met on board "Enterprise" At 2.00 Trenton made signal 4826. Turtled sail. Aneroid 30.22.

Signed, Wainwright Kellogg, Lieut  
4 to 8 P.M. Partially overcast and pleasant with light airs from West and W. S. W. At 5.00 General Court martial adjourned. At 7.00 Mitsui Bussan mail steamer from Yokohama came in. Received from her the following men transferred to this ship from Naval Hospital, Yokohama, James Gillispie, Blacksmith, and Wm. M. Nutty. Sea. Clear hawse. Aneroid barometer 30.22.

Signed, Edward Lloyd, Jr. Ensign  
8 P.M. to Midnight. Clear and warm. Calm and light variable airs. Aneroid 30.02.

Signed, Wainwright Kellogg, Lieut

Moon Laid Examined and found to be correct.

Dec 15° 04' 18 S.

Phase, Full moon.

W. H. Parker  
Lieut 3 Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			N. E.	E	1		30.07	75	75	72		bc	dis cum	7		
2			"	"	1		30.07	74	74	72		"	"	7		
3			"	"	0-1		30.07	74	74	72		"	"	7		
4			"	N. W.	0		30.07	74	74	72		"	"	7		
5			N. E.	N. E.	1		30.07	74	74	72		"	"	7		
6			"	"	1		30.07	74	74	72		bc	dis cum	1		
7			"	"	1		30.08	75	74	72		bc	dis cum	9		
8			"	"	1		30.09	75	74	73		"	"	7		
9			E	S. E.	1		30.10	78	78	74		"	"	8		
10			"	"	1		30.10	79	78	74		"	"	8		
11			"	"	1		30.10	80	79	74		"	"	8		
Noon.			N. E.	"	1		30.10	80	80	75		"	"	8		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2250 "

Coal consumed during the preceding 24 hours

tons 100 lbs.

Coal remaining on hand at Noon

118 " 390 "

P. M.																
1		N. E.	S. W. E.	2		30.08	82	80	76		bc	dis cum	7			
2		N. E.	N. E.	2		30.06	81	80	76		"	"	8			
3		"	"	2		30.06	81	82	76		"	"	6			
4		"	S. W.	2		30.11	82	82	76		"	"	7			
5		"	"	1		30.11	85	82	76		"	"	6			
6		"	"	1		30.05	85	84	76		"	"	11			
7		"	"	1		30.06	85	84	76		"	"	3			
8		"	"	1		30.07	82	81	76		"	dis	9			
9		"	N. W.	0		30.07	81	81	76		"	dis cum	6			
10		"	"	0		30.07	81	81	76		"	"	7			
11		N. E.	"	0		30.07	80	79	76		"	"	8			
Mid.		"	"	0		30.07	79	78	75		"	"	5			

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>r</sup> Cornick  
Thursday, July 10.

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and pleasant, calm to light  
airs from East. Barometer steady. Clearhause. Aneroid 30.20.

Signed. W. B. P. Muir. Ensign

11 to 5. A.M. First part partially overcast and misty, last part  
clear and warm. Light airs from N. E. Barometer rising. At 7.30  
flagship made usual dress signals. At 8<sup>00</sup> crossed light yards  
and loosed sail to a bowline in obedience to general signal 5462  
from flagship. Received for crew 158 lbs of fresh beef and vegetables  
each, and 128 lbs of fresh bread. Clearhause. Aneroid barometer 30.24.

Signed. Edward Lloyd, Jr. Ensign

8 A.M. to Meridian. Clear and warm. Light variable airs. At 9.30 mus-  
tered at quarters. Exercised all divisions, at company drill. At 9<sup>40</sup>  
flagship made signal 14647. At 11<sup>30</sup> she made 1087. Aneroid 30.20.

Signed. Wainwright Kellogg. Lieut

Meridian to 11 P. M. Fair. Warm. Light S. W. winds. Barometer  
falling slowly. At 12<sup>15</sup> flagship made to this vessel wig wag signal  
Send a boat. Sent an officer to report in obedience thereto. At 12.30  
flagship made general signal 14648. Twined sail. At 2.45 hoisted  
Sub. 1320. Flagship answered 904. Stowed shot and anchor in hold.  
Aneroid 30.18. The following men were transferred from the Trenton  
to this vessel: viz. Gal. J. Morrissey. Sea) & S. B. Fillet. OS.

Signed. W. B. P. Muir. Ensign

11 to 8. P. M. Clear and warm. Light breeze from S. W. At 4.45 mus-  
tered at quarters. At 7.07 flagship made signal 6068. Sent down topgallant  
and royal yards. Aneroid 30.05. At 5.50 flagship made signal, Civil  
Court martial dissolved.

Signed. Wainwright Kellogg. Lieut

8. P. M. to Midnight. Clear and pleasant. Barometer steady. Aner-  
oid 30.18.

Signed. W. B. P. Muir. Ensign

Rowland Examined and found to be correct.

12° 15' 33" S.

Phase, Full moon.

M. H. Parker  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moored			N x E	N x E.	1		30.06	78	78	75		bc	arcum	9	S	
2	"		"	"	1		30.01	78	78	75		"	"	8	"	
3	"		"	"	1		30.02	77	76	74		"	"	7	"	
4	"		"	"	1		30.02	77	76	74		"	air	9	"	
5	"		"	"	1		30.04	77	76	74		"	"	9	"	
6	"		E x N.	E x N.	1		30.04	78	77	74		"	air cum	8	"	
7	"		"	"	1		30.01	79	78	75		"	"	7	"	
8	"		"	"	1		30.01	79	80	75		"	"	7	"	
9	"		N E x E.	S. E.	1		30.01	80	80	75		"	"	7	"	
10	"		"	"	1		30.05	80	80	76		"	"	7	"	
11	"		S W x W	S.	1		30.05	81	81	76		"	"	7	"	
Noon.	"		"	"	2		30.05	82	83	76		"	"	7	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon " "

Longitude by D. R. at Noon " "

Latitude by Observations at Noon ☉ " "

Longitude by Chronometer from Forenoon Observations ☉ " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise " "

Variation of the Compass by Azimuth ☉ observed at " "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1950 "

Coal consumed during the preceding 24 hours tons 1100 lbs.

Coal remaining on hand at Noon 117 " 2230 "

P. M.																
1	"		S. S. W	S. S. W	3		30.06	84	84	76		bc	arcum	9	"	
2	"		"	"	3		30.05	85	84	76		"	"	7	"	
3	"		S W	S. W.	2		30.04	86	85	78		"	"	8	"	
4	"		"	"	2		30.03	86	85	78		"	"	8	"	
5	"		S W x W.	N x S.	2		30.01	86	84	79		"	"	7	"	
6	"		"	S W x W.	1		30.01	87	84	79		"	"	7	"	
Anchored			S W x S.	N S W.	1		30.01	84	83	76		"	"	7	"	
8	"		"	"	1		30.01	83	82	75		"	"	8	"	
9	"		"	"	1		30.01	83	82	75		"	"	8	"	
10	"		"	"	1		30.01	84	82	75		"	"	7	"	
11	"		S. S. W	S. S. W.	1		30.01	84	86	75		"	"	7	"	
Mid.	"		"	"	1		30.01	84	86	75		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉ " "

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset " "

Variation of the Compass by at " "



under the command of

Commander A. H. M<sup>r</sup> Cornick  
Friday July 11.

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather clear and pleasant, Light  
airs from N by E. Barometer falling. Aneroid barometer 30.17.

Signed.

Karl Rohrer.

Lieut

4 to 8 A.M. Clear and warm. Light breeze from N by E. At 7.33.

Flagship made signal 22.53. Bent light sails. At 7.55 made signal  
6069, crossed top gallant and royal yards. Aneroid 30.18.

Signed.

W. C. P. Muir.

Ensign

8 A.M. to Meridian. Clear and pleasant. Light winds from South  
Steady barometer. At 9.30 went to quarters for inspection. Aneroid  
barometer 30.16.

Signed.

Wainwright Kellogg.

Lieut

Meridian to 11 P.M. Weather clear and pleasant. Light to gentle  
breeze from S. W. to S. S. W. At 1.05 Flagship made signal 1087.  
Annoyed and sent boat. At 1.30 called all hands to muster  
and read General Court martial Order in the case of Lieut  
M. R. S. Mackenzie, who was acquitted, released from arrest  
and restored to duty. Aneroid barometer 30.10.

Signed.

Karl Rohrer.

Lieut

11 to 8 P.M. Clear and pleasant. Light winds from S W.  
Steady barometer. At 6.05 Flagship made general signals  
22514 and 6183. proceeded to bend gear of light sails and un-  
moor ship. Picked up starboard anchor and hove in on port  
chain. Made preparations for sea. Aneroid barometer 30.10.

Signed.

W. C. P. Muir.

Ensign

8 P.M. to Midnight. Weather clear and pleasant. Barometer  
steady. Light breeze from S. S. W. to W. S. W. Aneroid barometer 30.12.

Signed.

Karl Rohrer.

Lieut

Moons mid Examined and found to be correct.

Dec 8° 51' 10" S.

Phase. Full moon

M. J. V. Parker  
Lieut Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
			Archored S.	S. S. W.	2		30.00	81	80	76		bc	cir cum	8	S	
2	"	"	"	"	2		30.00	81	80	76		"	"	8	"	
3	"	"	"	S.	2		29.98	81	80	76		"	"	8	"	
4	"	"	"	"	2		29.97	81	80	76		"	"	5	"	
5	"	"	"	E S E	3		29.96	80	79	76		"	"	3	"	
6	"	"	S W.	"	2		29.96	81	80	76		"	"	14	"	
7	"	"	standing out of	"	2		29.98	81	80	76		"	"	5	"	
8	"	"	Nagasaki Harb	S W x S.	3		29.98	81	80	76		"	cum. cir cum	5	"	
9	10	0	S W 3/4 W	S x E	14		29.98	81	78	77	77	"	"	14	"	Set fore and aft sail and fonsail.
10	7	0	"	"	4		29.98	81	79	77	77	"	cir 3	5	"	
11	7	0	"	"	11		29.96	81	79	77	77	"	cir and	11	"	
Noon.	7	0	"	"	4		29.96	81	79	77	77	"	"	3	"	

Distance run by Log since preceding Noon

25 knots 0 fathoms.

Latitude by D. R. at Noon

32° 24' 36" N

Longitude by D. R. at Noon

129° 18' 00" E

Latitude by Observations at Noon ☉

32° 28' 23" N

Longitude by Chronometer from Forenoon Observations ☉

0 — " "

Current during the time knots fms. per hour, setting to the

—

Variation of the Compass by Amplitude ☉ observed at Sunrise

0 — " "

1032 Variation of the Compass by Azimuth ☉ observed at

0 — " "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1600 "

Coal consumed during the preceding 24 hours

6 tons 9110 lbs.

Coal remaining on hand at Noon

111 " 1290 "

P. M.																
1	7	2	S. W 3/4 W.	S	3		29.96	80	79	77	78	bc	cir cum	2	"	
2	7	2	"	"	3		29.96	80	78	77	78	"	"	1	"	
3	7	2	"	S x W.	3		29.95	80	78	77	78	"	"	3	"	
4	7	0	"	"	3		29.94	80	78	77	78	"	ci	6	"	
5	7	0	"	"	3		29.93	80	79	78	78	"	cir cum	5	"	
6	7	0	"	"	3		29.93	80	80	79	78	"	"	5	"	
7	7	0	"	S. S. W.	14		29.93	81	80	79	78	"	"	14	"	
8	7	0	"	"	14		29.93	81	80	79	77	"	"	5	"	
9	7	0	"	S x W.	5		29.93	82	81	80	77	"	ci x	6	"	
10	7	0	"	S W	5		29.92	82	81	80	77	"	"	7	"	
11	7	0	"	"	11		29.91	82	80	79	77	"	"	2	"	
Mid.	7	0	"	"	11		29.90	82	80	79	78	"	"	3	"	

Longitude by Chronometer from Afternoon Observations ☉

129° 18' 43" E

Longitude by Chronometer from Observations \*

0 — " "

Variation of the Compass by Amplitude observed at Sunset

0 — " "

Variation of the Compass by 0 at 11 pm.

2° 24' W



Under the command of

Commander A. H. M<sup>c</sup> Cormick

, U. S. Navy,

Saturday, July 1<sup>st</sup>

, 1871

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 11 A.M. Weather clear and pleasant, Light breeze from S<sup>W</sup> and N<sup>W</sup>, Barometer falling. Started fire for steaming at 3.00. Aneroid at end of watch 30.89.

Signed.

C. P. Riss.

Lieut

to 8 A.M. Partly cloudy, warm and pleasant weather. Light to gentle S.E. breeze, shifting to S.W. by S. last hour. Slight rise in barometer. At 6.05 flagship made general signal 5073 and at 6.35 got underway, and in company with Squadron stood out of harbor in column of vessels. At 7.00 flagship made dress signal, and at 7.55. 4917. Answered. Standing out of Nagasaki harbor at end of watch in company with squadron.

Signed

W. C. Hannum. Ensign.

8 A.M. to Meridian. Weather clear and pleasant, Moderate breeze from S by E. Barometer steady. Under steam, fore and aft sail, and foresail. Steam pressure 37.5 lbs., and making 37.6 revolutions. At 8.30 took departure, Nagasaki light bearing S by E  $N\frac{1}{4}E$ , distant 5 miles, patent log indicating 60.4 knots, and put ship on the course  $SW\frac{3}{4}W$ . Ship's draft fore 13' 8" aft 18' 8". By order of Captain, Edw<sup>d</sup> C. Perry (C8266) is confined in double irons for three days for turning into his hammock while on anchor watch and lying, and L. E. Schuman, Cox, was given 20 hours extra duty for insolence to Officers of forecabin. At 8.10 flagship made telegraphic signal 4604. 4608. Answered and made signal 409271. At 8. passed to windward of the other ships of the squadron and were cheered by each vessel in succession, as we passed and returned the complement in kind. Aneroid barometer 30.10.

Signed

Karl Rohrer.

Lieut

Meridian to 11 P.M. Weather clear and pleasant, Gentle breeze from S by W. Barometer falling. Steering  $SW\frac{3}{4}W$ . Aneroid at end of watch 30.18. Steam 45. Revs 44.

Signed

C. P. Riss.

Lieut

11 to 6 P.M. Pleasant weather. Moderate breeze from S by W. At 11.30 took in foresail. Sent down top gallant, and royal yards. Unbent top gallant and lower stunsails and unrove the gear. Steam 42 lbs. Revolutions 47. Aneroid barometer 30.07.

Signed

W. M. Irwin.

Lieut

6 to 8 P.M. Clear and pleasant. Moderate breeze from S.S.W. Smooth sea. At 7. sighted land bearing W.S.W. lost sight of it at 7.30. Steaming under six boilers. 41 Revs. 40 lbs. Steam. Patent log 44.1. Aneroid 30.07.

Signed

Wainwright Kellogg. Lieut

8 P.M. to Midnight. Weather clear and pleasant. Fresh to moderate breeze from S by W to S.S.W. Smooth sea. Barometer falling. Under steam and fore and aft sail. Steam press. 40 lbs. Revs 41. Patent log 72.2. Aneroid barometer 30.06.

Signed

Karl Rohrer.

Lieut

Examin'd Examined and found to be correct.

Loc. 44° 59' 46" S.  
Phase, Full moon.

W. H. Parker  
Lieut & Navigator.



Making passage from Nagasaki, Japan, to Hong Kong, China

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	7	11	S. W. 3/4 N.	S. S. W.	11		29.90	81	80	79	78	bc	cu	6	S	
2	7	2	"	"	11		29.90	80	80	79	80	"	"	6	"	
3	7	0	"	"	11		29.89	80	79	79	80	"	"	6	"	
4	7	11	"	"	11		29.89	80	79	79	80	"	"	6	"	Iron and aft sail
5	7	11	"	S. x W.	11		29.89	80	80	79	80	"	cu cum, strat	5	"	
6	7	2	"	"	11		29.89	80	80	79	80	"	"	11	"	
7	7	2	"	"	11		29.89	80	80	79	80	"	"	3	"	
8	7	0	"	S. S. W.	11		29.89	80	80	79	80	"	"	11	"	
9	6	6	"	"	11		29.90	81	80	79	80	"	"	3	"	Look in main top sail
10	6	8	"	"	11		29.90	82	81	80	81	"	"	5	"	
11	6	6	"	"	11.5		29.88	82	81	80	81	bcg	"	5	"	
Noon.	6	11	"	"	11.5		29.87	82	79	79	81	ocg	"	0	"	Look in fore and aft sail

Distance run by Log since preceding Noon

168 knots 8 fathoms.

Latitude by D. R. at Noon

30° 36' 12" N

Longitude by D. R. at Noon

126° 45' 00" E.

Latitude by Observations at Noon ☉

— " —

Longitude by Chronometer from Forenoon Observations ☉

126° 43' 00" E

Current during the time knots fms. per hour, setting to the

1032

Variation of the Compass by Amplitude ☉ observed at Sunrise

— " —

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

2° W. "

Water expended during the preceding 24 hours

1100 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1200 "

Coal consumed during the preceding 24 hours

11 tons 1140 lbs.

Coal remaining on hand at Noon

97 " 800 "

P. M.																
1	5	0	S. W. 3/4 N.	S. W. x N.	3		29.87	83	81	79	81	bcg.	cu cum, strat	2	"	
2	6	0	"	"	3		29.87	83	81	79	81	bc	cu cum, strat	3	"	
3	5	5	"	"	3		29.85	83	81	79	81	"	"	3	"	
4	6	0	"	"	3		29.84	83	81	79	81	"	"	11	"	
5	6	2	"	"	3		29.84	82	81	79	81	"	cu cum	11	"	
6	6	11	"	"	3		29.84	81	80	79	80	"	"	11	"	
7	6	5	"	S. x W.	3		29.84	80	80	79	80	"	"	2	"	Iron and aft sail
8	6	5	"	"	3		29.83	80	80	79	80	"	"	3	"	
9	6	11	"	"	3		29.85	81	80	79	80	"	cu cum and strat	6	"	Look in main top sail
10	6	2	"	"	3		29.85	82	80	79	80	"	"	6	"	Look in fore and aft sail
11	6	0	"	S. S. W.	3		29.83	81	80	79	80	"	"	7	"	
Mid.	6	2	"	"	3		29.83	81	80	79	80	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉

126° 49' 00" E.

Longitude by Chronometer from Observations \*

— " —

Variation of the Compass by Amplitude observed at Sunset

— " —

Variation of the Compass by Azimuth ☉ at 4 p.m.

2° W. "



under the command of *Commander A. W. McCormick*  
*Sunday, July 13.*

, U. S. Navy,  
1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather clear and pleasant, Gentle breeze from S. S. W. Bright moonlight, Barometer steady. Steaming S W  $\frac{1}{4}$  N. Steam 43. Revs 42. Aneroid at end of watch 30.02.

Signed. *C. P. Reis.* Lieut  
11 to 8 A.M. Pleasant weather. Moderate breeze from S by W. hauling to S. S. W. Barometer steady. Steam 55 lbs. Revs 53. Aneroid barometer 30.00. Patent log 3.05

Signed. *W. M. Swin.* Lieut  
8 A.M. to Meridian. Bazy and warm first three hours of watch, overcast and rainy last hour. Moderate sea. Moderate breeze from S W. At 11<sup>45</sup> took in all fore and aft sail. Got up and bent in all topmast staysail. Steaming under 6 boilers. At 9.15 mustered at quarters. Aneroid 30.02.

Signed. *Wainwright Kellogg.* Lieut  
Meridian to 11 P.M. Weather pleasant, Gentle breeze from S W by S. Barometer falling. Under steam, pressure 38 lbs and making 38 revolutions. Aneroid barometer 29.98. By order of Captain changed course to S W  $\frac{1}{4}$  N. at 12.10. Patent log at end of watch 82.3 knots.

Signed. *Karl Rohrer.* Lieut  
11 to 6 P.M. Weather cloudy and pleasant, Gentle breeze from S and W. Barometer steady. Aneroid at end of watch 30.00. Steam 41. Revs 40. Patent log 95.

Signed. *C. P. Reis.* Lieut  
6 to 8 P.M. Pleasant weather. Moderate breeze from S by W. Barometer steady. At 4.45 set fore and aft sail. Steam 42. Revs 41. Aneroid barometer 30.00. Patent log 8.5

Signed. *W. M. Swin.* Lieut  
8 P.M. to Midnight. Clear and pleasant, Moderate breeze from S by W which hauled to S. S. W. at 10.15. Took in all fore and aft sail. Steaming under 6 boilers. Moderate head sea. Steam 42 Revs 40. Moon rose at 9.30. Aneroid 30.00.

Signed. *Wainwright Kellogg.* Lieut

Moon Lmid. Examined and found to be correct.

Dec.  $0^{\circ}45'51''$  S.  
Phase. Full moon

*W. T. Parker*  
Lieut & Navigator.



Making passage from Nagasaki, Japan to Hong Kong, China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	5 6		S. W. 1/2 N.	S. W. + S.	11		29.84	82	81	79	80	bc	cir and cir cum	11	S	
2	5 6		"	"	11		29.85	82	81	79	80	"	"	3	"	
3	5 0		"	"	5		29.85	82	81	79	80	"	"	3	"	
4	5 0		"	S. W.	5		29.85	82	81	79	80	"	"	5	"	
5	5 0		"	"	5		29.86	82	81	79	80	"	"	5	"	
6	5 0		"	"	5		29.86	81	81	79	80	"	cir and cir strat	7	"	
7	5 0		"	"	5		29.86	81	81	79	80	"	cum strat	6	"	
8	5 0		"	"	5		29.87	81	81	79	80	"	Cum	6	"	
9	14 8		"	"	14.5		29.87	82	82	80	81	"	cir cum	6	"	Set jib and main topt stays
10	14 11		"	S. S. W.	14.5		29.87	83	83	80	81	"	"	6	"	
11	14 5		"	"	14.5		29.87	83	83	80	82	"	"	6	"	
Noon.	14 5		"	"	14.5		29.85	83	83	80	82	"	"	7	"	

Distance run by Log since preceding Noon

133 knots 3 tenths fathoms.

Latitude by D. R. at Noon

29° 05' 00" N.

Longitude by D. R. at Noon

124° 50' 00" E.

Latitude by Observations at Noon ☉

29° 29' 00" N.

Longitude by Chronometer from Forenoon Observations ☉

125° 03' 00" E.

Current during the time / - / knots fms. per hour, setting to the

N 35° E.

Variation of the Compass by Amplitude ☉ observed at Sunrise

- - - - -

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

2° 15' 00" N.

1052 Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

850 "

Coal consumed during the preceding 24 hours

15 tons 600 lbs.

Coal remaining on hand at Noon

82 " 150 "

P. M.																
1	11 11		S. W. 1/2 N.	S. W. + S.	5		29.83	83	83	80	82	bc	cir cum	7	M	Hook in jib & set topt stays
2	3 6		"	"	5		29.82	83	83	80	82	"	"	5	"	
3	11 0		"	"	5		29.82	84	83	79	82	"	"	11	"	
4	11 11		"	"	5		29.80	84	83	79	82	"	"	11	"	
5	3 0		"	"	6		29.80	84	83	79	82	"	cir cum	5	"	
6	14 0		"	S. S. W.	6		29.80	84	83	79	82	"	cir cum	6	"	Set jib, fly jib & set topt stays
7	5 11		"	"	6		29.80	84	83	79	82	"	"	5	"	
8	5 11		"	"	6		29.80	84	83	79	82	"	cir strat	8	"	
9	5 0		"	"	6		29.80	83	82	79	82	"	"	8	"	
10	4 8		"	"	6		29.80	83	82	79	82	"	"	8	"	
11	4 8		"	"	6		29.80	83	82	79	82	"	"	8	"	
Mid.	14 2		"	S. W.	6		29.80	83	82	79	82	"	cir cum	5	"	Hook in fore and aft sail

Longitude by Chronometer from Afternoon Observations ☉

125° 06' 00" E.

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>o</sup> Cornick

, U. S. Navy,

Monday, July 11

, 1881

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant weather. Moderate to fresh breeze from S.W. by S to S.W. Under steam. pressure 38 and making 38 revolutions. Smooth sea. Patent log at end of watch 55.5. Aneroid bar. 30.10

Signed.

Karl Rohrer.

Lieut

4 to 8 A.M. Weather clear and pleasant, Moderate breeze from S.W. Barometer steady. Aneroid at end of watch 30.00. Steam 42. Revs 41. Patent log 76.8.

Signed.

C. P. Rus.

Lieut

8 A.M. to Meridian, Clear and warm. Fresh breeze from S.W. hauling to S.S.W. Barometer steady. At 9.15 inspected at quarters, exercised 1st and 3rd divisions at single sticks, 2nd Powder, Navigation divisions and Marine Guard at small arms. At 10.15 set jib and main toft stay sail. Released Harvey Lake, (P.M.) from confinement and placed A.B. Price (Sea) in the cell. Aneroid barometer 29.94. Steam 36. Revs 34. Patent log 93.14.

Signed.

W. M. Irwin.

Lieut

Meridian to 11 P.M. Clear and hot, Fresh breeze from S.W. by S. Moderate sea from direction of wind. Took in fore and aft sail. Patent log 7 miles. Steaming under six boilers. Aneroid 29.94.

Signed.

Wainwright Kellogg.

Lieut

11 to 6 P.M. Weather clear and pleasant, Fresh breeze from S.W. by S to S.S.W. Barometer steady. Under steam, and fore and aft sail. Steam 46 lbs and making 36 revolutions. Patent log 13.8. Aneroid barometer 29.94.

Signed.

Karl Rohrer.

Lieut

6 to 8 P.M. Weather clear and pleasant, Fresh breeze from S.S.W. Barometer steady. Took in main topsail at 7.15. Set spanker at 7.35. Aneroid at end of watch 29.94. Steam 37. Revs 37. Patent log 22.5.

Signed.

C. P. Rus.

Lieut

8 P.M. to Midnight, Clear and pleasant. Fresh breeze from S.S.W. hauling to S.W. last hour. Took in fore and aft sail at 11.35. Steam 38 lbs. Revs 33. Aneroid barometer 29.95. Patent log 36.3.

Signed.

W. M. Irwin.

Lieut

Moon laid Examined and found to be correct.

Dec 3° 31' 27" N.

Phase, Full moon.

W. T. Parker  
Lieut & Navigator.



LOG of the UNITED STATES

Steamer "Essex"

3d Rate, 6 Guns,

Making passage from Nagasaki Japan to Hong Kong China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	14 2		S 1/2 N	S 1/2 S	5		29.79	83	81	78	82	bc	cum 7	11	M	
2	3 6		"	"	5		29.79	83	81	79	82	"	"	9	"	
3	14 6		"	"	6		29.79	83	81	79	82	"	"	5	"	
4	14 11		"	"	6		29.77	83	81	79	82	"	"	6	"	
5	3 5		"	"	5		29.77	83	81	79	82	"	circ 7	3	"	
6	3 5		"	"	5		29.78	83	82	79	82	"	"	5	"	
7	3 0		"	"	6		29.78	83	82	79	82	"	"	5	"	
8	3 0		"	"	6		29.78	83	82	79	82	"	"	6	"	
9	3 11		"	"	6		29.79	83	82	79	82	"	circ 7	5	"	
10	14 2		"	"	6		29.79	83	82	79	82	"	"	5	"	
11	14 6		"	"	6		29.79	83	82	79	81	"	"	5	"	
Noon.	14 8		"	"	6		29.79	83	82	79	81	"	"	5	"	

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time / / knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

1051. Variation of the Compass by Azimuth ☉ observed at 8 A.M.

Water expended during the preceding 24 hours

Water distilled during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

99 knots 8 fathoms.

28° 27' 00" N

123° 45' 00" E

28° 25' 00" N

124° 00' 00" E

N 31° E.

° ' "

1° 10' "

300 gallons.

1950 "

2500 "

15 tons 2100 lbs.

66 " 290 "

P. M.																
1	3 5		S 1/2 N	S. N	5		29.79	82	81	79	81	bc	air cum	5	M	Set plain sail
2	3 8		"	"	5		29.78	82	81	79	81	"	"	5	"	
3	6 14		"	"	5		29.77	82	81	79	81	"	"	5	"	
4	6 14		"	"	5		29.77	82	81	79	81	"	"	5	"	
5	6 0		N 1/2 N	"	5		29.74	81	80	78	81	"	cum 7	2	"	
6	6 0		S 1/2 N	"	5		29.74	81	80	78	81	"	"	2	"	
7	3 0		N 1/2 N	"	3		29.77	81	80	78	81	cc	cum 7	0	S	Look in all sail
8	14 5		S 1/2 S	"	3		29.77	81	79	78	81	"	"	0	"	
9	6 6		"	"	3		29.77	81	80	79	81	"	"	0	"	
10	6 2		"	"	3		29.77	82	80	79	81	"	"	0	"	
11	5 2		"	"	3		29.77	82	80	79	81	"	"	0	"	
Mid.	5 0		"	"	3		29.77	82	80	79	81	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉

124° 06' E

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>r</sup> Conrick

, U. S. Navy,

Tuesday, July 15

1884

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and warm. Fresh breeze from S.W. by W. Moderate sea, Moonlight. Steaming under six boilers. Distilling. Aneroid 29.94.

Signed. Wainwright Kellogg. Lieut  
4 to 8 A.M. Clear and pleasant weather. Fresh breeze from S.W. by S. Barometer steady. Smooth sea. Under steam. pressure 110 lbs. and making 34 revolutions. German steamer passed bound to N. and E. dipped her colors which complement we returned in kind. Patent log at end of watch 57.5. Aneroid barometer 29.94.

Signed. Karl Rohrer. Lieut  
8 A.M. to Meridian. Weather clear and pleasant. Moderate breeze from S.W. by S. Barometer steady. Mustered at quarters at 9.30 and exercised at arming and equipping boats. By order of commanding Officer released (C. C. Perry (C. 201)) from confinement. At 11. stop-ped firing and let steam run down preparatory to making sail. Aneroid at end of watch 29.92. Patent log 73.3.

Signed. C. P. Rus. Lieut  
Meridian to 4 P.M. Pleasant weather. Fresh breeze from S.W. Moderate sea. At 12. engines stopped, uncoupled, and galled. All hands make sail. Set topsails, foresail, jib and foretopmast staysail and main trysail and spanker. Piped down at 12.08. Crossed topgallant yards and set topgallant sails. Baked fins. Aneroid barometer 29.91.

Signed. W. M. Irwin. Lieut  
4 to 6 P.M. Pleasant. Moderate breeze from S.W. gradually growing lighter towards end of watch. Moderate sea. Baked fins. At 4.45 Mustered at quarters. Aneroid 29.90.

Signed. Wainwright Kellogg. Lieut  
6 to 8 P.M. Weather overcast and cloudy but not unpleasant. Gentle breeze from S.W. At 6<sup>30</sup> took in topgallant sails, sent down topgallant yards and spread fins. At 6<sup>45</sup> took in square sails. At 7.10 started ahead with the engine taking in the fore and aft sails and putting the ship on the course S.W. by S. by order of the Captain. Under steam. pressure 110 lbs. making 38.5 revolutions. Put over patent log when the engine was started, it showing 73.3; at 8 it showed 78.1. Aneroid barometer 29.93.

Signed. Karl Rohrer. Lieut  
8 P.M. to Midnight. Weather overcast. Gentle breeze from S.W. Barometer steady. Aneroid at end of watch 29.93. Steam 35. Revs 39. Pat. log 1.06.

Signed. C. P. Rus. Lieut

Moonl mid Examined and found to be correct.

Dec. 7° 43' 14" N.

Phase. Full moon

W. J. Parker  
Lieut & Navigator.



Making passage from Nagasaki, Japan to Hong Kong, China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Lagway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	5	0	SW 1/2 S.	SW 1/2 S.	4		29.78	82	81	79	81	bc	circum	5	S	
2	5	2	"	"	4		29.78	82	81	79	81	"	"	5	"	
3	5	6	"	"	4		29.78	82	81	79	81	"	"	5	"	
4	5	11	"	"	5		29.78	82	81	79	81	"	"	5	"	
5	5	0	"	"	5		29.80	82	81	79	81	ocd	cum and cir cum	0	"	
6	5	11	"	"	4		29.80	82	81	79	81	ocv	"	0	"	
7	6	8	"	"	11		29.80	80	80	79	81	ocd	"	0	"	
8	6	6	"	"	3		29.80	80	80	79	81	ocv	"	0	"	
9	6	0	"	W	3		29.83	80	79	78	80	"	cum cum	0	"	Fore and aft sail and foresail.
10	6	0	"	W S W	3		29.85	82	79	78	80	"	"	0	"	Look in all sail
11	6	5	"	"	3		29.86	83	80	79	80	ocp	"	0	"	
Noon.	6	0	"	SW x W	3		29.87	83	80	79	80	"	"	0	"	Set fore and aft sail

Distance run by Log since preceding Noon

132 knots 1 fathoms.

Latitude by D. R. at Noon

27° 44' 00" N.

Longitude by D. R. at Noon

122° 31' 00" E.

Latitude by Observations at Noon

" " "

Longitude by Chronometer from Forenoon Observations

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

" " "

Variation of the Compass by Azimuth observed at

" " "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2150 "

Coal consumed during the preceding 24 hours

11 tons 360 lbs.

Coal remaining on hand at Noon

54 " 2170 "

P. M.	Knots.	Fathoms.	Courses steered.	WINDS.	Force.	Lagway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	6	5	SW 1/2 S.	SW x W	3		29.97	83	80	79	80	ocv	cum & cum	0	"	Look in main topsail
2	7	2	"	"	3		29.95	82	80	79	80	ocd	"	0	"	
3	7	11	"	S. W.	2		29.95	80	80	79	80	"	"	0	"	Look in all fore and aft sail
4	7	6	"	"	1		29.94	80	80	79	80	oc	"	0	"	
5	8	0	"	"	1		29.93	81	81	79	81	bc	cum. str. cum	1	"	
6	7	11	"	"	1		29.93	81	81	79	81	"	"	11	"	
7	7	11	"	"	2		29.93	81	81	79	81	"	"	11	"	Set fore and aft sail
8	8	0	"	S.	1		29.93	81	81	79	81	"	"	11	"	except main topsail
9	7	5	"	S. W.	2		29.94	83	82	80	81	bc	cum & circum	5	"	Look in fore and aft sail
10	7	5	"	S. S. W.	2		29.95	84	82	80	81	"	"	7	"	
11	8	0	"	"	2		29.96	83	81	80	81	bc	circ and cir cum	8	"	
Mid.	8	0	"	S. S. E.	2		29.97	83	81	80	81	ocp	"	0	"	Set fore and aft sail

Longitude by Chronometer from Afternoon Observations

122° 30' 00" E.

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. B. M<sup>o</sup> Connick  
Wednesday July 16

, U. S. Navy,

1874.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Pleasant weather. Moderate breeze from S.W. by S. Barometer steady. Steam 35 lbs. Revolutions 34. Aneroid barometer 29.93. Patent log 21.6

Signed.

W. M. Irwin.

Lieut

11 to 8. A.M. Pleasant weather until 5. when a drizzling rain set in, and from 6.30 to end of watch heavy showers. Light breeze from S.W. by S. Smooth sea. Steaming under six boilers. Patent log 45.2. Aneroid 29.98.

Signed. Wainwright Kellogg.

Lieut

8 A.M. to Meridian. Weather overcast and rainy. Gentle breeze from West hauling to S.W. by W. Barometer rising. Under steam and fore and aft sail. Revolutions 38. Steam 39. Smooth sea. Patent log at end of watch 71.8. Aneroid barometer 29.98.

Signed

Karl Rohrer.

Lieut

Meridian to 11 P.M. Weather overcast and rainy, clearing last hour of watch. Barometer steady. Light winds from S. and W. At 12.55 took in main topsail. At 3. took in all fore and aft sail. Aneroid at end of watch 29.96. Steam 42. Revolutions 42. Patent log 102.5.

Signed.

C. P. Reed.

Lieut

11 to 6. P.M. Pleasant weather. Light airs from S.W. Smooth sea. Mustered at quarters at 11.45. Steam 42 lbs. Revolutions 42. Aneroid barometer 29.97.

Signed.

W. M. Irwin.

Lieut

6 to 8. Cloudy. Pleasant. Light variable airs. At 6.30 set all fore and aft sail, and at 7.30 took it in. Smooth sea. Steaming under six boilers. Aneroid 29.98. Patent log 35.2.

Signed.

Wainwright Kellogg

Lieut

8 P.M. to Midnight. Pleasant weather. Light breeze from S.S.W. to S.S.E. Smooth sea. Barometer rising. Under steam and fore and aft sail. Revolutions 42.5. Steam 45. Patent log 68.8. Aneroid barometer 29.98.

Signed.

Karl Rohrer.

Lieut

Moon 1<sup>st</sup> mid Examined and found to be correct.

Dec. 11° 31' 43" N.

Phase. Last quarter

W. H. Parker  
Lieut & Navigator.



Making passage from Nagasaki, Japan to Hong Kong, China

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	68		S 1/2 S.	SSE.	2		29.87	80	80	79	81	bc	Cir Cum 3 Cum	0		
2	78		"	S.	3		29.87	80	80	79	81	bc	Cir Cum	3		
3	76		"	"	3		29.84	80	80	79	81	"	"	3		Set to fit stay & l
4	80		"	"	3		29.82	80	79	79	81	"	Cum 3 Cum	2		
5	80		"	"	3		29.80	79	79	78	81	"	Cir Cum Cir Strat	11		
6	80		"	"	2		29.82	79	79	78	81	"	"	5		
7	80		"	"	2		29.83	80	79	78	81	"	Cir Cum	7		Set foresail
8	80		"	S 1/2 W.	1		29.84	81	80	79	81	"	"	7		
9	76		S 1/2 W.	W + S.	1		29.85	82	82	80	81	"	"	8		Took in sail.
10	74		"	"	1		29.86	83	82	80	81	"	"	8		
11	70		"	"	1		29.86	83	82	80	82	"	"	9		
Noon.	76		"	"	1		29.85	84	83	80	82	"	Cir	9		Set fore and aft sail

Distance run by Log since preceding Noon

182 knots 3 tenths fathoms.

Latitude by D. R. at Noon

25° 18' 00" N

Longitude by D. R. at Noon

120° 13' 00" E

Latitude by Observations at Noon ⊙

25° 43' 00" N

Longitude by Chronometer from Forenoon Observations ⊙

120° 27' 00" E.

Current during the time 1.2 knots — fms. per hour, setting to the

N 26° E.

1051. Variation of the Compass by Amplitude ⊙ observed at Sunrise

° — "

Variation of the Compass by Azimuth ⊙ observed at 8. A.M.

1° 00' W.

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1800 "

Coal consumed during the preceding 24 hours

15 tons 200 lbs.

Coal remaining on hand at Noon

39 " 1870 "

P. M.																
1	20		S 1/2 W.	W	2		29.83	85	85	81	82	bc	Cirrus Cir Cum Cir Strat	8		Took in on top stay & l
2	80		"	"	2		29.82	85	85	82	82	"	"	8		
3	75		"	N.	2		29.81	85	85	82	82	"	"	8		
4	70		"	NE.	2		29.80	84	84	82	84	"	"	8		Set main top sail
5	80		"	NE + N.	1		29.80	84	84	81	82	"	Cum.	7		" foresail & fore top sail
6	80		"	"	2		29.80	84	84	81	81	"	"	7		
7	82		"	E + N.	3		29.80	83	82	79	81	"	Cum Cum	14		
8	80		"	"	2		29.80	83	82	79	81	"	"	14		Took in sail
9	84		S 1/2 W + 1/4 N.	E + E.	2		29.80	83	82	79	81	"	Cir Cum	6		
10	86		"	N.	2		29.82	83	82	79	81	"	"	7		
11	84		"	"	2		29.82	82	82	78	81	"	"	8		
Mid.	82		"	"	2		29.82	81	81	78	81	"	"	8		

Longitude by Chronometer from Afternoon Observations ⊙

° ' "

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. S. M. Cornick

, U. S. Navy,

Thursday July 17.

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather overcast and rainy at beginning of watch. partly cloudy, and pleasant latter part. Gentle breeze from Sd. Barometer falling. Set main topmast staysail at 3.05. Aneroid at end of watch 29.95. Steam 38. Revs 43. Patent log 29.95.

Signed.

G. P. Rus.

Lieut

11 to 8 A.M. Pleasant weather. Gentle breeze from South, hauling to S.W. and falling light. At 7.10 sighted two islands on starboard beam bearing S.W. by N. Sighted several sail during the watch. At 7. set foresail and at 7.45 took it in, and all fore and aft sail. At 7.45 changed course to S.W. by N. Steam 42. Revolutions 41. Patent log 33. Aneroid barometer 29.96.

Signed.

W. M. Irwin.

Lieut

8 A.M. to Meridian. Clear and hot. Light variable breeze from S. and W. At 9.15 mustered at quarters. At 11.45 set fore and aft sail. Steaming under six boilers. At 10 sighted land 1 1/2 points on starboard bow. At end of watch land bore W by S. Patent log 64.5. Aneroid 29.95.

Signed. Wainwright Kellogg.

Lieut

Meridian to 4 P.M. Weather clear and pleasant. Light breeze from W to N.E. Barometer falling. Smooth sea. A Chinese gun boat passed bound to N. and E. A number of junks in sight going in different directions. Land in sight on starboard bow and beam. At 12.15 by order of Captain changed course to S.W. by N. Patent log reading 66.7 knots. Turn about light house bore N.W. by W. Under steam and fore and fore and aft sail. Revs 42. Steam 41. Patent log 97.2. Aneroid barometer 29.90.

Signed.

Karl Rohrer.

Lieut

4 to 6 P.M. Weather clear and warm. Light breeze from N. and E. Barometer steady. At 4.10 a Chinese gun boat passed standing to N. and E. Mustered at quarters at 4.45. At 4.15 set foresail. At 4.35 set fore top-sail. Aneroid at end of watch 29.88. Steam 41. Revs. 43. Patent log 13.9. Turn about light bore N by E.

Signed.

G. P. Rus.

Lieut

6 to 8 P.M. Pleasant weather. Gentle breeze from E by N. At 7 sighted Ockean light bearing (true) N. S.W. At 8 it bore N.W. by N. At 7.45 took in foresail. fore topsail and fore and aft sail. Steam 43 lbs. Revolutions 43. Patent log 31.2. Aneroid barometer 29.91.

Signed.

W. M. Irwin.

Lieut

8 P.M. to Midnight. Clear and pleasant. Light breeze from N. Smooth sea. At 9.10 Ockean light bore N.W. by N. At 9. changed course to S.W. by N. At end of watch Ockean light bore N.E. by N. Patent log 65.8. Steaming under six boilers. Aneroid 29.92.

Signed. Wainwright Kellogg.

Lieut

Moored and Examined and found to be correct.

Dec 14° 53' 17" N.  
Phase, Last quarter

W. T. Parker  
Lieut & Navigator.



Making passage from Nagasaki, Japan to Hong Kong, China

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	7 5			N.	2		29.81	82	82	79	81	bc	pir cum	9	S	
2	7 5			"	2		29.80	82	82	79	81	"	"	8	"	
3	7 5			"	2		29.80	82	82	79	81	"	"	7	"	
4	7 0			"	2		29.80	82	82	79	81	"	"	8	"	
5	7 8			"	1		29.80	80	80	79	81	"	"	7	"	
6	7 8			"	2		29.80	80	81	79	81	"	"	8	"	
7	8 0			"	3		29.80	80	80	77	81	"	"	7	"	
8	7 8			"	3		29.80	80	80	77	81	"	"	6	"	
9	Standing in for Amoy harbor			"	2		29.80	83	82	77	81	"	"	8	"	
10	Anchored NW			S. E.	3		29.80	83	84	79		"	"	8	"	
11	"	"	"	"	3		29.80	83	83	78		"	"	8	"	
Noon.	"	"	S	"	3		29.80	83	83	78		"	"	8	"	

Distance run by Log since preceding Noon

157 knots 2 fathoms

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1450 "

Coal consumed during the preceding 24 hours

13 tons 1080 lbs.

Coal remaining on hand at Noon

26 " 790 "

P. M.																
1	"	NE	S. E.	3		29.79	84	83	79			bc	pir cum	6	"	
2	"	"	S. E.	3		29.78	84	83	79			"	"	7	"	
3	"	"	"	3		29.76	84	83	79			"	"	7	"	
4	"	S. E. x S.	S. S. E.	3		29.76	86	84	79			"	"	8	"	
5	"	S. S. E.	"	3		29.76	87	85	81			"	"	6	"	
6	"	"	"	3		29.76	87	85	81			"	"	6	"	
7	"	"	S. E.	2		29.76	87	85	81			"	pir cum cum str	2	"	
8	"	"	S. S. E.	1		29.76	87	85	81			"	"	1	"	
9	"	SE	"	1		29.78	85	84	80			"	pir cum	6	"	
10	"	NW	"	1		29.80	84	84	81			"	"	5	"	
11	"	"	"	1		29.80	84	84	81			"	"	5	"	
Mid.	"	"	"	1		29.80	84	84	81			"	"	5	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>o</sup> Connerick

, U. S. Navy,

Friday, July 18.

, 1874.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather clear and pleasant, Gentle breeze from N. Barometer steady. Smooth sea. At 12 lost sight of Oakesau light bearing (pc) N. E  $\frac{1}{4}$  E. Barometer steady. Smooth sea. At 2<sup>00</sup> sighted from aloft Cog Island light about one point on starboard bow, and at 3 sighted it from deck two points on starboard bow. Under steam. Revs 110. Steam 35. Patent log 97.1 knots. Cog Island light bearing (pc) at end of watch N  $\frac{1}{2}$  S. Aneroid barometer 29.90.

Signed. Karl Rohrer. Lieut  
1 to 8 A.M. Weather clear and pleasant, Gentle breeze from N. Barometer steady. At 5<sup>30</sup> sighted Chapel Island bearing S. W. by W. and changed course to West. Podd's Island light bearing N. N. W  $\frac{1}{2}$  W. At 6<sup>25</sup> sighted a Spanish man of war on port bow. At 7 changed course to W  $\frac{1}{4}$  S. at 7.25 to N by N and stood for anchorage in Amoy harbor. At 8. Tair San light bore N by E. and being in light W  $\frac{1}{2}$  N. Aneroid at end of watch 29.93. Steam 38. Revs 44.

Signed. C. P. Rees. Lieut  
8 A.M. to Meridian. Clear and warm. Gentle breeze from S. E. Standing in for anchorage in Amoy harbor, steering various courses. Slowed down at 8<sup>00</sup> and called all hands bring ship to anchor. At 9<sup>00</sup> stopped and let go starboard anchor in 10 fathoms of water, securing to 30 fathoms on starboard chain. Bearings of anchorage. Cornwallis Rock. E by N. Red and White buoy on Cochon Rock. N by W  $\frac{1}{4}$  W. Ships head N by N. Ships draft fore 13 ft. aft 15 ft 9 in. Packed fires. Received an official visit from U.S. Consul, and from H. B. M. S. Champion. Sent an officer to board the Spanish frigate "Aragon" to tender the usual courtesies she having come in, and anchored after us. At 9.20 crossed top gallant and royal yards and loosed sail to dry. Chf Engineer C. P. M<sup>o</sup> Bartney and Paymaster L. A. Yorke left the ship to select and buy coal. Aneroid barometer 29.89.

Signed. W. M. Irwin. Lieut  
Meridian to 11 P.M. Clear and warm. Gentle E. S. E. breezes. Slight fall in barometer. At 3 commenced coaling ship from lighters. U.S. Consul left ship at 12<sup>45</sup>. Commanding Officer paid an official visit to H. B. M. S. Champion, and to Spanish ship Aragon. Aneroid barometer 29.86.

Signed. W. G. Hammum. Ensign.  
11 to 8 P.M. Clear and pleasant. Light breeze from S. E. At 6.30 fished sail. Receiving coal. At end of watch received 40 tons. Aneroid 29.86.

Signed. Mainwright Kellogg. Lieut  
8 P.M. to Midnight, Weather clear and pleasant. Light breeze from E. S. E. Barometer rising. Fires banked under six boilers. Finished coaling at 11.45. Having taken in 60 tons. Sailing to ebb tide at 9.15. Aneroid barometer 29.87.

Signed. Karl Rohrer. Lieut

Worn and Examined and found to be correct.

Dec 17<sup>0</sup> 16<sup>0</sup> 09<sup>0</sup> H  
Phase, Last quarter

W. H. Parker  
Lieut & Navigator.



Amoy and making passage to Hong Kong, China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
			Anchored N x S	S. W.	1		29.79	84	84	79		bc	Cir Cum	7	S	
2	"		"	"	1		29.78	84	84	79		"	"	8	"	
3	"		N x S. W.	S. W.	1		29.75	83	82	80		"	"	8	"	
4	"		"	"	1		29.75	83	82	80		"	"	8	"	
5	"		"	S. W.	1		29.74	83	82	81		"	"	6	"	
6			Standing out of Amoy harbor.	"	2		29.75	84	82	81		"	"	5	"	
7	24.09'			"	2		29.75	84	82	80		"	"	5	"	
8	118.13'	4 5		"	2		29.75	84	82	80		"	"	6	"	
9		8 11	S. W. x S.	S. W. x S.	2		29.75	84	82	80		"	Dis Cum	7	"	
10		8 2	"	"	2		29.75	84	83	80	81	"	"	7	"	
11		7 0	"	"	2		29.76	84	84	80	81	"	"	6	"	
Noon.		7 5	"	"	2		29.77	84	84	80	81	"	"	6	"	

Distance run by Log since preceding Noon

38 knots 6 tenths fathoms.

Latitude by D. R. at Noon

23° 37' 00" N

Longitude by D. R. at Noon

117° 51' 00" E.

Latitude by Observations at Noon ☉

23° 37' 00" N

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

107.4. Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1100 "

Coal consumed during the preceding 24 hours

6 tons 1560 lbs.

Coal remaining on hand at Noon

86 " 790 "

P. M.																
1	8 0	S. W. x S.	S. W.	2	29.72	85	85	82	81	bc	Dis Cum	5	"			
2	7 2	S. W. 1/4 W.	"	2	29.74	86	86	83	82	"	"	6	"			
3	7 8	"	"	3	29.72	87	86	83	82	"	"	6	"			
4	7 0	S. W. 3/4 W.	"	3	29.70	87	87	83	82	"	"	6	"			
5	7 0	"	"	5	29.70	87	87	83	82	"	Dis Cum	6	"			
6	6 8	N. S. W.	"	5	29.69	87	87	82	82	"	"	6	"			
7	7 0	"	"	11	29.69	87	86	83	82	bc	Dis Cum	5	"			
8	6 14	S. W.	"	11	29.70	87	86	83	82	"	"	6	"			
9	6 8	N. S. W.	S. W. x W.	11	29.70	87	86	83	82	"	Dis Cum	6	"			
10	6 0	"	"	11	29.73	87	86	83	82	"	"	7	"			
11	6 0	"	"	11	29.74	87	86	83	82	"	"	7	"			
Mid.	6 0	"	"	11	29.74	86	85	83	82	bc	"	7	"			

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>r</sup> Cornick  
Saturday, July 19

, U. S. Navy,

1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Partly cloudy but pleasant with light airs from S.W. first half of watch and from N.W. falling barometer. Ebb tide. Aneroid 29.86.

Signed. W. J. Sears. Ensign  
4 to 8. Weather clear and pleasant. Gentle breeze from S<sup>e</sup> and W<sup>e</sup>. Barometer steady. Called all hands up anchor at 5. got underway at 5<sup>20</sup> and stood out of harbor bound for Hong Kong. Took departure at 8. Chapel Island light bearing N E by N. 78° 10' distant 2 miles. Shaped course S.W. by S. Ships draft 118' 5" fore, 15' 10" aft. Aneroid at end of watch 29.85. Steam 47. Rws 43. Patent log 48.5.

Signed. C. P. Rus. Lieut  
8 A.M. to Meridian, Clear and warm. Light breeze from S E by S. Smooth sea, Barometer rising slowly. At 10<sup>00</sup> stopped the engine on account of hot bearings. started afloat at 10.10. A number of islands in sight on starboard side. Steaming under six boilers. Steam pressure 47 lbs. Revolutions 47.5. Aneroid barometer 29.81. Patent log at end of watch 79.

Signed. W. M. Irwin. Lieut  
Meridian to 11 P.M. Clear and hot. Moderate breeze from S.W. Smooth sea. At 1<sup>00</sup> changed course to S.W. 1/4 W. and at 3 to S.W. 3/4 W. At 2.15 sighted Lamock Island two points on starboard bow and at end of watch the light bore W N W 3/4 W. Steaming under six boilers. Aneroid 29.78.

Signed. Wainwright Kellogg. Lieut  
4 to 6 P.M. Weather clear and pleasant with stiff breeze from S.W. By order of Captain changed course to W S W. at 5<sup>15</sup>. At 6 O'clock Lamock light bore W 1/4 N. Steam pressure 46 lbs. Rws 43. Patent log 36.2. Aneroid barometer 29.78. Barometer falling slowly. At 11<sup>00</sup> sent down top gallant and royal yards.

Signed. Karl Rohrer. Lieut  
6 to 8 P.M. Weather partly cloudy and warm. Gentle breeze from S.W. Barometer low and steady. Threatening looking weather to S<sup>e</sup> latter part of watch. Aneroid 29.81. Steam 43. Rws 43. Changed course at 7.45 to S.W. Patent log at end of watch 46.1.

Signed. C. P. Rus. Lieut  
8 P.M. to Midnight, Pleasant weather. Moderate breeze from S.W. by W. Lightning to the W<sup>e</sup>. At 8.10 sighted Cape of Good Hope light bearing by compass N W by W. it bore abeam at 11.00. At 8.45 changed course to W S W. patent log reading 43. At 11<sup>45</sup> sighted Breaker Point light bearing 1/2 West. Steam 46 lbs. Revolutions 39. Aneroid barometer 29.83. Patent log 66.1.

Signed. W. M. Irwin. Lieut

bow l. mid. Examined and found to be correct.

18° 33' 31" N  
base. Last quarter.

W. H. Park  
Lieut & Navigator.



LOG of the UNITED STATES

Steamer Essex, 3<sup>rd</sup> Rate, 6 Guns,  
Making passage from Amoy to Hong Kong, China

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	5	11	S. 9/4 N 3/4 E	N x S	11		29.72	84	84	82	82	bc	cu cum	7	M	
2	5	0	"	"	11		29.70	80	84	82	82	"	"	7	"	
3	5	6	"	"	11		29.70	80	84	82	82	"	"	7	S	
4	5	6	"	"	11		29.70	80	84	82	82	"	"	6	"	
5	4	5	"	S. 9/4 N	5		29.70	80	83	82	82	"	cu & cum	7	"	
6	5	0	"	"	5		29.72	86	83	81	82	bc	cu cum	3	"	
7	5	5	"	"	5		29.74	84	82	81	82	"	"	3	"	
8	6	0	"	"	5		29.74	84	82	81	82	"	"	2	"	
9	5	0	N 8 3/4 E 1/4 N	N 8 3/4 E	5		29.74	86	82	82	82	"	cu cum	3	"	
10	6	0	"	"	11		29.75	87	80	83	83	"	"	2	"	
11	6	5	"	"	3		29.75	87	86	83	82	"	"	2	"	
Noon.	6	6	"	"	3		29.74	87	86	83	82	"	"	3	"	

Distance run by Log since preceding Noon

150 knots — fathoms.

Latitude by D. R. at Noon

22° 27' 00" N

Longitude by D. R. at Noon

115° 42' 00" E

Latitude by Observations at Noon ☉

22° 25' 00" N

Longitude by Chronometer from Forenoon Observations ☉

115° 56' 00" E.

Current during the time knots fms. per hour, setting to the

10.74 Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

100 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

700 "

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P. M.	1	5	N 8 3/4 E 1/4 N													
1	11	5	N 1/4 S	N x S.	3		29.74	86	86	82	82	bc	cu cum	3		
2	6	11	"	"	3		29.74	87	86	82	84	"	"	3		
3	6	11	"	N 8 3/4 E	3		29.72	87	87	82	84	"	"	2		
4	6	0	"	N x S.	3		29.70	87	88	84	84	"	"	2		
5	6	0	"	"	3		29.68	87	87	84	84	"	cu cum	11		
6	6	11	"	"	3		29.67	87	87	84	84	"	"	11		
7	5	0	N x 7 1/4 E	N 8 3/4 E	11		29.67	87	86	83	83	"	"	11		
8	1	2	N x 8 or 1/4 S.	"	11		29.68	87	80	83	83	"	cu cum	6		
9	6	0	"	"	11		29.68	87	86	84	83	"	"	8		Set jib
10	6	0	"	"	11		29.70	87	86	84	83	"	"	8		
11	6	2	"	"	11		29.70	87	86	84	83	"	"	8		
Mid.	6	11	"	"	11		29.70	87	86	84	83	"	"	8		Set jib

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of *Commander A. H. M<sup>c</sup> Cormick*  
*Sunday July 20.*

, U. S. Navy,  
1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and pleasant. Moderate breeze from W by S. Moderate sea. At 12 changed course to S.W by W.  $\frac{3}{4}$  W. At 3.40 Breaker point light bore abeam (N.W.  $\frac{1}{4}$  W.) Steaming under six boilers. Aneroid 29.82. Patent log 86.

Signed *Wainwright Kellogg* Lieut  
11 to 8 A.M. Weather pleasant. Fresh breeze from S.W by W. Barometer steady. Smooth sea. Under steam. Revs 39.5. Stearn 42 lbs. At daybreak lost sight of Breaker Point light bearing about two points abaft the beam. Patent log 9.4 knots. Aneroid barometer 29.85.

Signed *Karl Rohrer* Lieut  
8 A.M. to Meridian. Weather partly cloudy and warm. Gentle breeze from W.S.W. Barometer steady. Mustered at quarters at 9.30. Land faintly visible from starboard bow to quarter during last half of watch. Aneroid at end of watch 29.81. Stearn 46 lbs. Revs 39. Patent log 34.6. Course after 8<sup>th</sup> W.S.W.  $\frac{1}{4}$  W.

Signed *C. P. Res.* Lieut  
Meridian to 11 P.M. Cloudy, warm. Light breeze from W by S to W.S.W. Smooth sea. Barometer falling slowly. Aneroid barometer 29.87. At 12 changed course to W  $\frac{1}{4}$  S. Patent log 36.

Signed *W. M. Swin.* Lieut  
11 to 6 P.M. Clear and warm. Light breeze from W by S. Smooth sea. Steaming under six boilers. Aneroid 29.75.

Signed *Wainwright Kellogg* Lieut  
6 to 8 P.M. Clear and pleasant weather. Moderate breeze from W.S.W. Barometer rising slowly. At 6<sup>30</sup> sighted a high peak supposed to be Pedro Blanco, bearing W.N.W.  $\frac{1}{4}$  W. At 6.50 changed course to W by N.  $\frac{1}{4}$  N. Patent log indicating 80.8, and at 7.10 to W  $\frac{1}{4}$  S. Patent log 87.7 by order of Commanding Officer. Under steam, pressure 44 lbs. 4 revolutions. Aneroid barometer 29.80.

Signed *Karl Rohrer* Lieut  
8 P.M. to Midnight. Weather clear and pleasant. Gentle breeze from W.S.W. Barometer steady. Steaming W  $\frac{1}{4}$  S. Changed course several times during last hour of watch to avoid junks. Aneroid at end of watch 29.80. Stearn 38. Revs 35. Patent log 13.9.

Signed *C. P. Res.* Lieut

Moon and Examined and found to be correct.

Dec 18° 35' 50" N.  
Phase. Last quarter

*W. J. Park*  
Lieut & Navigator.



At sea, making passage from Amoy to Hong Kong, China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	6	11	N 1/2 S	N 1/2 W.	11		29.70	86	86	84	83	bcl	Cir cum 3 cum	3	S	
2	5	5	"	"	11		29.70	85	85	84	83	"	"	2	"	
3	-	-	"	"	3		29.69	85	83	84	83	"	"	11	"	
4	-	-	"	"	3		29.69	84	83	84	83	"	"	11	"	
5	3	0	N. N. W.	"	3		29.61	84	83	82	82	"	"	3	"	
6	5	6	N.	"	11		29.61	83	82	80	82	bc	Cir cum 2 cum	2	"	
7	6	0	N 1/2 S	N.	3		29.61	83	82	79	82	"	"	1	"	
8	6	0	"	"	3		29.67	81	81	78	82	"	"	1	"	
9	5	0	West	N. N. W.	5		29.67	83	81	78	82	ocd	"	0	"	
10	6	0	"	N 1/2 W.	3		29.70	83	81	78	82	bc	"	1	"	
11	5	0	"	"	2		29.70	83	83	80		"	"	3	"	
Noon	5	0	N + N.	N 1/2 W.	2		29.70	83	83	80		"	Cum 5 Cir cum	11	"	

Distance run by Log since preceding Noon

99 knots 5 tenths fathoms

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

1100 gallons.

Water distilled during the preceding 24 hours

100 "

Water remaining on hand fit for use at Noon

1100 "

Coal consumed during the preceding 24 hours

16 tons 1260 lbs.

Coal remaining on hand at Noon

113 " 1110 "

P. M.																
1	"	"	N + N.	N 1/2 W.	2		29.70	86	85	81		bc	Cir cum 3 cum	3	"	
2	"	"	"	N.	2		29.69	86	85	81		"	"	3	"	
3	"	"	E	N 1/2 W.	2		29.67	86	85	82		"	"	11	"	
4	"	"	"	"	2		29.65	87	85	82		"	"	2	"	
5	"	"	"	"	2		29.65	85	85	83		"	"	11	"	
6	"	"	E + S.	S. W.	1		29.65	85	85	82		"	Cir cum	7	"	
7	"	"	"	Calm	0		29.65	85	84	82		"	"	5	"	
8	"	"	"	"	0		29.65	85	84	82		"	"	6	"	
9	"	"	N + N.	"	0		29.66	86	84	82		bcl	"	7	"	
10	"	"	N 1/2 W.	"	0		29.66	86	85	82		"	"	7	"	
11	"	"	N. W.	N.	1		29.66	86	85	82		"	"	7	"	
Mid.	"	"	N + N.	N 1/2 W.	1		29.66	85	85	82		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of *Commander A. H. M. Cornick*  
*Sunday, July 21*

, U. S. Navy,  
1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Clear and pleasant. Moderate breeze from *W. S. W.*. Bright starlight. Lightening to the *W.*. At 1.00 stopped and got a cast of the lead in 20 fathoms of water, soft mud bottom; started ahead again at 1.55. At 2.25 stopped and got another sounding in 21 fathoms of water, same bottom. Remained of watch waiting for daylight. Aneroid barometer 29.77.

Signed. *H. M. Lawin*. Lieut  
11 to 8 A.M. Cloudy. Warm. Light variable breeze in force and in direction from *Sd* and *W.*. Smooth sea. At 11.00 started ahead with six boilers. Course *West*. At 5.00 changed course to *W 1/4 S*. At 5.30 sighted lighthouse on Hong Kong Island. Remainder of watch standing in toward entrance to Hong Kong Harbor. Aneroid 29.78.

Signed. *Wainwright Kellogg*. Lieut  
8 A.M. to Meridian. Weather overcast and drizzling first part of watch latter part clear and pleasant. Barometer steady. Fresh to light breeze from *W. S. W.* to *W by S*. Smooth sea. Under steam, standing up to Hong Kong harbor. Captain directing the course. At 11.00 came to with stars, board anchor in 8 fathoms water, heaving to 145 fathoms of chain. Arrangements of anchorage. (See) Victoria Peak *S. W. 1/4 W*. Kellott Island *E 1/2 S*. Ship's draft, fore 13 ft 5 in. Aft 15 ft 9 in. Distilling water. Aneroid barometer 29.97.

Signed. *Karl Rohrer*. Lieut  
Meridian to 11 P.M. Partly cloudy. Very warm weather. Light *W. S. W.* and *W. N. W.* breeze. Falling barometer. At 3.00 U.S. Consul visited the ship. Distilling. Aneroid barometer 29.76. H.M.S. "Swift" got underway and steamed out of harbor at 3.45.

Signed. *W. G. Hamnum*. Ensign.  
11 to 8 P.M. Weather clear and warm. Calm. Barometer steady. At 6.00 bent new topsails received from shore; found them well made, unbent and rebent old ones. Distilling. Aneroid at end of watch 29.74.

Signed. *C. P. Rees*. Lieut  
8 P.M. to Midnight. Clear and warm. Calm and light airs from the *Nb*. Aneroid barometer 29.76.

Signed. *W. M. Drinn*. Lieut

Moon, mid Examined and found to be correct.

Dec. 17° 19' 30" N.  
Phase. Last Dr.

*W. H. Parker*  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
			<i>Anchored</i>	<i>N. W.</i>	<i>N. W.</i>	<i>0-1</i>	<i>29.65</i>	<i>86</i>	<i>86</i>	<i>81</i>		<i>bc</i>	<i>ci</i>	<i>8</i>	<i>S</i>	
2	"	"	"	"	"	<i>0-1</i>	<i>29.65</i>	<i>86</i>	<i>86</i>	<i>81</i>		"	"	<i>8</i>	"	
3	"	"	"	"	"	<i>0-1</i>	<i>29.65</i>	<i>86</i>	<i>86</i>	<i>81</i>		"	"	<i>4</i>	"	
4	"	"	"	"	"	<i>0-1</i>	<i>29.65</i>	<i>86</i>	<i>86</i>	<i>81</i>		"	"	<i>7</i>	"	
5	"	"	<i>E. S. E.</i>	<i>Calms</i>	<i>0</i>		<i>29.65</i>	<i>84</i>	<i>85</i>	<i>81</i>		"	"	<i>7</i>	"	
6	"	"	"	"	<i>0</i>		<i>29.68</i>	<i>84</i>	<i>83</i>	<i>80</i>		"	"	<i>7</i>	"	
7	"	"	"	<i>S. W.</i>	<i>1</i>		<i>29.68</i>	<i>84</i>	<i>83</i>	<i>80</i>		"	"	<i>7</i>	"	
8	"	"	"	"	<i>1</i>		<i>29.70</i>	<i>84</i>	<i>83</i>	<i>80</i>		"	"	<i>6</i>	"	
9	"	"	<i>N. W.</i>	<i>Var</i>	<i>0-1</i>		<i>29.70</i>	<i>85</i>	<i>85</i>	<i>81</i>		"	"	<i>7</i>	"	
10	"	"	"	"	<i>0-1</i>		<i>29.72</i>	<i>85</i>	<i>85</i>	<i>81</i>		"	"	<i>7</i>	"	
11	"	"	"	"	<i>0-1</i>		<i>29.72</i>	<i>86</i>	<i>86</i>	<i>81</i>		"	"	<i>8</i>	"	
Noon.	"	"	"	<i>S. W.</i>	<i>0-3</i>		<i>29.72</i>	<i>86</i>	<i>86</i>	<i>81</i>		"	"	<i>7</i>	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

*400* gallons.Water *distilled* during the preceding 24 hours*2100* "

Water remaining on hand fit for use at Noon

*2100* "

Coal consumed during the preceding 24 hours

*2* tons *1120* lbs.

Coal remaining on hand at Noon

*155* " *2230* "

P. M.																
1	"	<i>N. W.</i>	<i>N. W.</i>	<i>1</i>	<i>29.70</i>	<i>87</i>	<i>85</i>	<i>81</i>	<i>bc</i>	<i>ci</i>	<i>11</i>	"				
2	"	"	"	<i>1</i>	<i>29.69</i>	<i>87</i>	<i>85</i>	<i>81</i>	"	"	<i>5</i>	"				
3	"	<i>S. S. W.</i>	<i>S. W.</i>	<i>1</i>	<i>29.69</i>	<i>87</i>	<i>85</i>	<i>82</i>	"	"	<i>6</i>	"				
4	"	<i>S. E.</i>	"	<i>2</i>	<i>29.69</i>	<i>87</i>	<i>85</i>	<i>82</i>	"	"	<i>6</i>	"				
5	"	<i>S. S. E.</i>	"	<i>2</i>	<i>29.69</i>	<i>87</i>	<i>85</i>	<i>82</i>	"	"	<i>5</i>	"				
6	"	<i>E.</i>	"	<i>2</i>	<i>29.69</i>	<i>87</i>	<i>86</i>	<i>82</i>	"	<i>ci</i>	<i>3</i>	"				
7	"	"	"	<i>2</i>	<i>29.70</i>	<i>87</i>	<i>86</i>	<i>82</i>	"	"	<i>11</i>	"				
8	"	<i>E. S. E.</i>	"	<i>2</i>	<i>29.70</i>	<i>87</i>	<i>86</i>	<i>82</i>	"	"	<i>11</i>	"				
9	"	"	"	<i>2</i>	<i>29.72</i>	<i>85</i>	<i>85</i>	<i>82</i>	<i>bc</i>	<i>ci</i>	<i>5</i>	"				
10	"	<i>N. W.</i>	"	<i>2</i>	<i>29.74</i>	<i>85</i>	<i>85</i>	<i>82</i>	"	"	<i>11</i>	"				
11	"	"	"	<i>2</i>	<i>29.75</i>	<i>85</i>	<i>85</i>	<i>82</i>	<i>bc</i>	"	<i>11</i>	"				
Mid.	"	"	"	<i>2-3</i>	<i>29.76</i>	<i>85</i>	<i>85</i>	<i>82</i>	"	"	<i>3</i>	"				

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>c</sup> Cormick  
Tuesday, July 22

, U. S. Navy,

, 1881

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Clear and warm, with calms to light variable airs. Steady barometer. At 3. swung to flood. Aneroid barometer 29.76.

(Signed) W. J. Sears Ensign.  
4 to 8. A.M. Clear and hot. Light breeze from N.W. last half of watch. Receiving coal. At end of watch had received 70 tons. Aneroid 29.78.

(Signed) Wainwright Kellogg. Lieut.  
8 A.M. to Meridian. Clear and hot, calm and light variable airs. Coaluing ship. Michael Pierce was enlisted as ordinary seaman for cruise. Commanding Officer left ship to pay official visits. Aneroid at end of watch 29.80.

(Signed) R. B. Bitter. Ensign  
Meridian to 11 P.M. Weather clear and pleasant. Light breeze from N.W. to S.W. Barometer steady. Finished coaluing having taken in one hundred and fifteen tons. The American ship Southern Cross came in and anchored. Received on board a coil of line for patent log. Fires banked under two boilers. Aneroid barometer 29.97.

(Signed) Karl Rohrer. Lieut.  
11 to 8 P.M. Partly cloudy, very warm weather. Light S.W. breeze. Steady barometer. At 11.45 ministered at quarters. Captain of German Gunboat Nautilus visited Commanding Officer officially. Received in Engineers Dept. 50 galls Sea Oil and 5 galls boiled oil. Aneroid barometer 29.78. Fires banked under two boilers.

(Signed) W. C. Hammon. Ensign.  
8 P.M. to Midnight. Partly cloudy and warm, with light to gentle breeze in puffs from S.W. Barometer rising. Lightning to the N<sup>e</sup> at intervals. Fires banked under 2 boilers. Aneroid barometer 29.83.

(Signed) Edward Lloyd Jr. Ensign

bowl mid. Examined and found to be correct.

Dec 11° 57' 32" N.  
Chase. East Dr.

W. J. B. Barker  
Lieut. Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			Anchored N x N	S.	2-11		29.76	85	83	80		begl	Sum. 8. Circum	2	S	
2	"	"	"	"	2-11		29.76	85	83	80		"	"	3	"	
3	"	"	"	"	2-11		29.76	85	83	80		begl	"	2	"	
4	"	"	"	"	2-11		29.76	85	83	80		"	"	3	"	
5	"	"	S. E.	N. S. W.	3-6		29.76	85	83	80		begl	Sum. 8. Circum	2	"	
6	"	"	"	S. W.	2		29.78	85	84	80		bc	"	2	"	
7	"	"	S. S. E.	"	2		29.79	85	84	80		"	"	3	"	
8	"	"	"	"	2		29.80	85	84	80		"	"	3	"	
9	"	"	"	"	2		29.80	85	84	80		"	Dis. Sum.	3	"	
10	"	"	"	"	2		29.80	85	85	81		"	"	3	"	
11	"	"	N. W. x W.	S. W. x S.	2		29.80	85	85	81		bcp	Sum. 8. Circum	3	"	
Noon.	"	"	"	"	2		29.83	85	85	81		bc	"	3	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ☉ ° ' "

Longitude by Chronometer from Forenoon Observations ☉ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ☉ observed at ° ' "

Water expended during the preceding 24 hours 1100 gallons.

Water distilled during the preceding 24 hours 450 "

Water remaining on hand fit for use at Noon 2150 "

Coal consumed during the preceding 24 hours 3 tons 160 lbs.

Coal remaining on hand at Noon 152 " 2070 "

P. M.																
1	"	"	N x N	S. W.	3		29.81	86	86	81		bc	Sum. 8. Circum	6	"	
2	"	"	"	"	3		29.81	85	85	81		"	"	4	"	
3	"	"	"	"	3		29.80	85	85	81		"	"	4	"	
4	"	"	S. E.	"	2		29.79	85	85	81		"	"	5	"	
5	"	"	"	"	2		29.79	85	85	81		"	"	4	"	
6	"	"	S. S. E.	"	2		29.79	85	85	81		bcp	Sum. 8. Circum	3	"	
7	"	"	E x S.	"	2		29.79	85	85	81		bc	Circum	4	"	
8	"	"	"	"	2		29.82	85	85	81		bcp	Circum	4	"	
9	"	"	"	"	1		29.81	85	85	81		bcl	"	3	"	
10	"	"	"	"	1		29.81	84	83	80		"	Dis. Sum.	5	"	
11	"	"	N x W.	E	1		29.81	84	83	80		"	"	4	"	
Mid.	"	"	"	"	2-3		29.84	84	82	80		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉ ° ' "

Longitude by Chronometer from Observations \* ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by - at ° ' "



under the command of

Commander A. H. M. Cornick  
Wednesday, July 23

, U. S. Navy,

1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Cloudy with passing showers latter part and frequent lightning. Moderate breeze with frequent strong puffs from the South. Aneroid barometer 29.83.

Signed.

W. M. Irwin. Lieut

11 to 8 A.M. Cloudy with light breeze from S.W. blowing in fresh squalls from N.E. first part of watch. Raising barometer. Received in Pay Dept 160 lbs fresh beef; 100 lbs vegetables and 108 lbs fresh bread. Ensign A. J. D. Halpine reported for duty. Alis Antow (Os) and Henry Thompson, Sea, reported on board for duty having been transferred from "Palos".

Signed

W. J. Sears. Ensign

8 A.M. to Meridian. Cloudy. Light showers last hour. Light to moderate breeze from S.W. to S.W. by S. At 9.30 mustered at quarters. Shipped the following named men for the cruise. Andreas Pows. (Lds) Carl J. Behrens. (C.B.) Chan Ah Ki. (Lds) John Caspersen. (C.B.) August Fredericksen. (C.B.) Franz Wickman. (C.B.) Heinrich Hilzen. (C.N.) John Koltzen. (C.B.) Sven Karlson. (C.B.) Herman Siivers. (Lds) Albert Wilson (C.B.) James White (C.B.) Otto Warberg (C.N.) and Yon Ah Woon. (Lds) Received stores in Pay Dept. Aneroid 29.88. Received an official visit from English Commanding Officer

Signed Thainwright Kellogg

Lieut

Meridian to 11 P.M. Fair and warm. Gentle S.W. breeze. By order of Commanding Officer. Thomas Trainor. (C.G. Mate) was confined in double irons for safe keeping. Received on board 5000 lbs of bread. Aneroid barometer 29.83. Kivama Tatter was enlisted as landman for cruise. Three Chinese gunboats came in and anchored. American mail steamer City of New York left the harbor.

Signed.

R. C. Bitter.

Ensign

1 to 8 P.M. Weather pleasant. Light breeze from S.W. Barometer steady. Made preparations for sea. Mustered at quarters at 4<sup>45</sup>. Sent down top gallant and royal yards and unbent light sails. Received on board 600 candles in Department of Navigation. Aneroid barometer 29.90

Signed.

Karl Rohrer

Lieut

8 P.M. to Midnight. Weather partly cloudy and pleasant. Light variable airs and calms. Barometer steady. Began distilling at 9 and stopped at 11<sup>45</sup>. Aneroid at end of watch 29.90. Discharged on account of the Chinese restriction act, Ah Shang (W.B.) Ah Kong (W.B.) Ah Walk (Carp.) Ah King (Painter) Chan Ching (Lds) and Ah Look. (Lds) also, at his own request Sodoroki (Yos-hirigoo. (Lds)

Signed.

C. D. Rees.

Lds

Moon mid. Examined and found to be correct.

Dec 11° 43' 01" N.

Phase. New moon.

W. H. Parker  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
			Anchored A. W.	S. S. W.	2-3		29.83	84	83	80		bca	air cum nub	5	S	
2	"	"	"	"	2-3		29.83	84	83	80		"	"	14	"	
3	"	"	"	S x W	2-3		29.83	84	83	80		bca	"	14	"	
4	"	"	"	"	2		29.81	84	83	80		"	"	2	"	
5	"	"	S E x E.	S.	2		29.81	84	83	80		bca	"	3	"	
6	"	"	S. E.	"	2		29.81	82	82	79		"	"	1	"	
7	"	"	N E x N.	E.	2		29.81	82	82	79		oca	"	0	"	
8	1 0	"	S W	"	2		29.82	82	82	79	82	"	"	0	"	
9	7 6	"	Var	S S W	2		29.84	82	82	79	82	oca	"	0	"	
10	7 6	"	"	"	2		29.84	83	81	79	82	bc	air cum nub	1	"	
11	7 8	"	S W x S	"	2-3		29.87	86	85	82	83	oca	"	0	"	
Noon.	7 5	"	"	"	3-4		29.87	86	85	82	83	"	"	0	"	

Distance run by Log since preceding Noon

31 knots 5 tenths fathoms.

Latitude by D. R. at Noon

21° 49' 00" N

Longitude by D. R. at Noon

113° 56' 00" E

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

1400 gallons.

Water distilled during the preceding 24 hours

750 "

Water remaining on hand fit for use at Noon

2500 "

Coal consumed during the preceding 24 hours

6 tons 1580 lbs.

Coal remaining on hand at Noon

146 " 490 "

P. M.																
1	7 0	S. W x S	S. W	11	29.86	85	83	81	86	oca	cum nub	0	"			
2	7 0	"	"	3	29.86	84	83	81	86	oca	cum nub	0	"			
3	7 0	"	S. W x S.	3	29.86	85	83	81	86	oca	"	0	"			
4	6 5	"	S. S. W.	5	29.85	85	84	82	86	"	"	0	"			
5	6 0	"	"	11	29.83	85	84	82	86	"	"	0	"			
6	6 5	"	"	11	29.82	85	84	82	86	"	"	0	"			
7	7 0	"	"	11	29.84	85	84	82	85	"	"	0	"			
8	7 0	"	S.	11	29.84	85	84	82	85	bc	"	2	"			See fore and aft sail
9	7 3	"	"	11	29.83	85	84	82	85	"	cum nub	5	"			
10	7 2	"	"	11	29.83	85	84	82	85	bc	"	11	"			
11	6 6	"	"	11	29.83	85	84	82	85	"	"	11	"			See fore and aft sail
Mid.	6 6	"	S. S. W.	5	29.83	85	84	82	85	"	"	3	"			

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of *Commander A. H. M<sup>r</sup> Cornick*, U. S. Navy,  
*Thursday, July 21*, 1881

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Generally cloudy and cool, with light to gentle breezes in puffs from S. S. W. to S. by W. Light showers last half of watch. At 3.30 started fires under six boilers. Riding to sbb. Aneroid barometer 29.90.

Signed *A. J. L. J. Halpine*. Ensign  
11 to 8 A.M. Overcast and cloudy with frequent showers. Gentle breeze from S. hauling to E. Made preparations for sea, at 5.40 hoisted to 30 fathoms on starboard chain, ship commenced to drag. Let go port anchor at 5.45. Called all hands up anchor, at 5.55 and hoisted starboard anchor which came up foul. Three turns around the stock and three around one fluke, cleared and secured it, and hoisted up port anchor. At 6.55 started ahead one bell, rang four bells at 7.20. At 7.35 put ship on course S by W and put over the patent-log. Steaming under six boilers. Aneroid barometer 29.96. Patent log 30.

Signed *W. M. Irwin*. Lieut  
8 A.M. to Meridian. Cloudy. Pleasant weather. Occasional light squalls of wind and rain. Rising barometer. Changed course frequently until 9.12; at that time took departure. Samoan Islds bearing S. W. by W  $4\frac{1}{2}$  N. distant one mile, and set course S. W. by S. Patent log 17.2 miles. At 9.15 mustered at quarters. At 11. hoisted top-gallant masts. Vessel on course at end of watch. Av. steam 54. Revs. 418. Patent log 36 miles. Aneroid barometer 29.94.

Signed *W. G. Hannum*. Ensign  
Meridian to 11 P.M. Weather damp and cloudy. Gentle breeze from S. W. to S. S. W. Barometer steady. Steam 47. Revs 416. Pat log 65. Aneroid 29.92

Signed *Karl Kohrer*. Lieut  
11 to 6 P.M. Weather overcast and warm. Gentle breeze from S. S. W. Barometer falling. Mustered at quarters at 11.45. Aneroid at end of watch 29.92. Steam 45. Revs 412.

Signed *C. P. Rus*. Lieut  
6 to 8 P.M. Weather pleasant. Moderate breeze from S. S. W. hauling to South. Set jib and fore topmast staysail at 7. Steam 43. Revs. 412. Aneroid barometer 29.95.

Signed *W. M. Irwin*. Lieut  
8 P.M. to Midnight. Cloudy. Pleasant weather. Moderate S.W. breeze, shifting to S. W. last hour. Barometer steady. At 11. Took in fore and aft sail. Patent log at end of watch 20 miles. Av. revs. 412. Av. Steam 40 lbs. Aneroid barometer 29.95.

Signed *W. G. Hannum*. Ensign

Moon & mid Examined and found to be correct.  
Dec 7° 52' 39" N.  
Phase. New moon.

*J. S. Parker*  
Lieut-Comdr. Navigator.



Making passage from Hong Kong China to Singapore Straits Settlements

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	7 0		S. W. + S	S. S. W.	5		29.83	85	84	82	85	bc	circum	5	S	
2	7 0		"	"	5		29.83	85	83	82	84	bcl	"	7	"	
3	7 0		"	"	5		29.83	85	83	82	84	bc	"	7	"	
4	7 0		"	"	11		29.83	85	83	82	84	"	"	8	"	
5	7 0		"	"	11		29.83	85	84	82	85	"	"	5	"	
6	7 5		"	"	11		29.85	84	84	82	85	"	"	5	"	
7	7 0		"	"	3		29.85	84	84	82	85	"	"	7	"	
8	7 3		"	"	3		29.86	84	84	82	85	"	"	7	"	
9	7 6		"	"	3		29.88	86	84	82	85	"	Pis Cum 3 Cum	5	"	
10	7 6		"	"	3		29.88	87	85	82	85	"	"	5	"	
11	7 6		"	"	3		29.88	87	85	82	85	"	"	6	"	
Noon.	7 6		"	"	3		29.88	87	85	82	85	"	"	6	"	

Distance run by Log since preceding Noon

168 knots 9 fathoms

Latitude by D. R. at Noon

19° 19' 00" N

Longitude by D. R. at Noon

112° 11' 00" E

Latitude by Observations at Noon ☉

19° 27' 00" N

Longitude by Chronometer from Forenoon Observations ☉

112° 16' 00" E

Current during the time 0.3 knots — fms. per hour, setting to the

N 29° E

1099 Variation of the Compass by Amplitude ☉ observed at Sunrise

0 — "

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

1° 00' E

Water expended during the preceding 24 hours

390 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2110 "

Coal consumed during the preceding 24 hours

16 tons 1600 lbs.

Coal remaining on hand at Noon

129 " 2130 "

P. M.																
1	3 6		S. W. + S.	S. S. W.	3		29.86	87	87	83	85	bc	Pis Cum 3 Cum	11	S	
2	7 5		"	S.	11		29.85	87	87	83	85	"	"	3	"	Set fore and aft sail
3	7 5		"	"	3		29.83	87	87	83	85	"	"	11	"	
4	7 5		"	"	3		29.83	87	87	83	85	"	"	3	"	
5	7 0		"	S. W. + W.	5		29.83	85	85	83	85	"	"	3	"	Look in fore and aft sail
6	7 5		"	S. S. W.	11		29.83	85	85	83	85	"	"	3	"	Set jib and spanker
7	7 7		"	"	11		29.83	85	85	83	85	"	"	5	"	
8	7 8		"	"	11		29.83	85	84	81	84	"	"	6	"	Look in jib and spanker
9	7 6		"	"	11		29.84	86	84	80	84	bcl	Pis Cum 3 Cum	7	"	
10	7 11		"	"	3		29.85	86	84	81	84	"	Pis Cum	7	"	
11	7 6		"	"	3		29.85	86	84	81	84	"	"	7	"	
Mid.	7 11		"	"	3		29.86	85	84	81	84	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

112° 18' 00" E

Longitude by Chronometer from Observations \*

0 " "

Variation of the Compass by Amplitude observed at Sunset

0 " "

Variation of the Compass by Az 0 at 4 p.m.

1° 00' 00" E



under the command of

Commander A. H. M<sup>c</sup> Connick  
Friday, July 25.

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather clear and pleasant, Moderate breeze from S. S. W. Barometer steady. Under steam, press. 44 lbs. revs. 42. Patent log at end of watch 49. Aneroid barometer 29.94.

Signed.

Karl Rohrer.

Lieut

11 to 5 A.M. Weather clear and pleasant, Gentle breeze from S. S. W. Barometer rising. Aneroid at end of watch 29.95. Steam 48. Revs 46. Patent log 79.2.

Signed.

C. P. Reis.

Lieut

5 A.M. to Meridian. Clear and warm. Moderate breeze from S. S. W. Smooth sea. Inspected gun at quarters at 9.15. Steam 50 lbs. Revs 47.5. Aneroid barometer 29.95. Patent log 12. Released A. B. Price. Sea from confinement.

Signed.

W. M. Irwin.

Lieut

Meridian to 11 P.M. Cloudy pleasant weather. Gentle to moderate S. S. W. to S.W. breeze. Falling barometer. At 12.30 changed course to S. W. 1/2 S. At 1.00 set fore and aft sail. Vessel on course at end of watch. Av steam 48 lbs. Av. revs. 46. Aneroid barometer 29.92.

Signed.

W. G. Hannum.

Ensign

11 to 6 P.M. Weather cloudy and pleasant, Moderate breeze from S. to S. S. W. Barometer steady. Under steam, press. 47 lbs. and making 45 revolutions. Patent log 58. Aneroid barometer 29.92.

Signed.

Karl Rohrer.

Lieut

6 to 8 P.M. Weather cloudy and pleasant. Gentle breeze from S. S. W. Barometer steady. Took in fore and aft sail at 7.00. Aneroid at end of watch 29.92. Steam 47. Revs 47.

Signed.

C. P. Reis.

Lieut

8 P.M. to Midnight. Pleasant weather. Gentle breeze from S. S. W. Smooth sea, Steam 45 lbs. Revs 46. Aneroid 29.94. Patent log 5.

Signed.

W. M. Irwin.

Lieut

Moon and

Examined and found to be correct.

Dec 3° 43' 50" N.

Chase, New moon,

W. H. Parker  
Lieut & Navigator.



Making passage from Hong Kong, China, to Singapore, Stra Settlements

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	4	8	S. 24 1/2 W	S. S. W	2		29.84	86	85	81	81	bcl	air cum	5	5	Set fore and aft sail
2	4	2	"	"	3		29.82	85	85	81	81	"	"	6	"	
3	4	5	"	"	3		29.80	85	85	81	81	"	"	7	"	
4	4	6	"	"	3		29.80	85	85	81	81	"	"	14	"	
5	4	5	"	"	4		29.80	85	85	81	81	bc	air cum strat	14	"	Took in main topsail
6	4	5	"	"	11		29.92	85	85	82	84	"	"	6	"	
7	4	5	"	S. 24 W	11		29.82	85	85	82	84	"	"	5	"	
8	4	5	"	S. S. W	3		29.82	85	85	82	86	"	air cum	14	"	
9	4	5	"	"	3		29.84	85	86	83	86	"	"	5	"	Took in fore and aft sail
10	4	3	"	W.	3		29.85	87	86	83	86	"	"	6	"	
11	4	5	"	"	3		29.85	86	84	80	86	"	air cum strat	6	"	Set fore topit staysail
Noon.	6	0	"	"	3		29.85	86	87	82	86	"	"	7	"	
Noon.																

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time 0.3 knots Tms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

178 knots 3 tenths

17° 06' 00" N

110° 00' 00" E.

17° 10' 00" N

110° 10' 00" E.

S. 43° W.

" " "

2° 00' 00" E.

410 gallons.

"

1710 "

15 tons 1810 lbs.

114 " 320 "

P. M.																	
1	6	8	S. 24 1/2 W	S. x E	2		29.83	88	88	82	88	bc	air cum	7	"		
2	7	6	"	"	2		29.83	89	89	82	88	"	air cum	9	"		
3	7	6	"	"	2		29.83	91	90	82	88	"	"	8	"		Look in fore and aft sail
4	7	8	"	"	2		29.83	91	90	82	88	"	"	8	"		
5	8	0	"	S. E.	2		29.82	91	90	82	88	"	air cum	5	"		Set jib
6	8	0	"	S. S. E	2		29.83	90	89	81	88	"	"	6	"		Took in jib
7	8	0	"	S. E. x S.	3		29.83	88	88	82	88	"	air cum	9	"		Set fore and aft sail
8	8	5	"	S. S. E	11		29.83	87	87	82	89	bc	"	10	"		and foresail.
9	8	5	"	S. E. x E.	11		29.83	87	87	82	87	bc	air cum	7	"		
10	7	7	"	"	11		29.83	87	86	82	87	"	"	7	"		Took in foresail,
11	7	6	"	S. E. x S.	11		29.83	86	86	82	87	"	"	6	"		main topsail and
Mid.	7	8	"	S. S. E	11		29.83	86	86	82	87	"	"	5	"		all sail

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at

110° 02' 00" E.

" " "

" " "

" " "



under the command of

Commander A. B. M<sup>r</sup> Cornick

, U. S. Navy,

Saturday, July 26

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Partly cloudy and pleasant. Light to gentle S.S.W. and southerly breeze. Falling barometer. At 1.30 set fore and aft sail. Vessel on course at end of watch. Steam 46 lbs. Rvs. 45. Patent log at end of watch 35 miles. Aneroid barometer 29.90.

Signed.

W. G. Hamnum, Ensign.

4 to 8 A.M. Weather clear and pleasant. Light to gentle breeze from S to S by W. Barometer steady. Under steam and fore and aft sail. Steam 45. Rvs. 45. Patent log 67. Aneroid barometer 29.92.

Signed.

Karl Rohrer.

Lieut

8 A.M. to Meridian. Weather partly cloudy and warm. Gentle breeze from S.S.W. to West. Barometer steady. Took in fore and aft sail at 9.00. Stopped engine to take sounding at 11.00. started ahead at 11.10 the indication of shoal water having proved deceptive. Aneroid at end of watch 29.92. Steam 47. Rvs 45. Patent log 97.

Signed.

C. P. Rus.

Lieut

Meridian to 11 P.M. Clear and warm. Light airs from S by E. Smooth sea. At 12<sup>30</sup> changed course to South. Patent log reading 101. Took in fore and aft sail. Steam 47. Rvs. 46. Patent log 115. Aneroid barometer 29.88.

Signed.

W. M. Irvine.

Lieut

11 to 6 P.M. Warm and pleasant weather. Light S.E. and S.S.E. breeze. Barometer steady. Vessel on course at end of watch. Av. ste. 46. Rvs 46 1/2. Patent log 149. Aneroid barometer 29.87.

Signed.

W. G. Hamnum, Ensign.

6 to 8 P.M. Clear and pleasant, gentle to moderate breeze from S.E. to E.S.E. Barometer steady. Smooth sea. Under steam and fore and aft sails and foresail. Steam 50. Rvs 49.5. Patent log 67 knots. Aneroid barometer 29.88.

Signed.

Karl Rohrer.

Lieut

8 P.M. to Midnight. Weather partly cloudy and pleasant, gentle breeze from Sd and Wd. Barometer steady. Took in foresail at 10. and main topsail at 11. Aneroid at end of watch 29.90. Steam 48. Rvs 46.5. Patent log 102.

C. P. Rus.

Lieut

Moon mid Examined and found to be correct.

Dec 0° 27' 02" S

Phase. New moon.

W. A. Parker  
Lieut & Navigator.



LOG of the UNITED STATES

Steamer Essex

3d Rate, 6 Guns,

Making passage from Hong Kong to Singapore, Stra Settlements

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	7 8		S	S. S. E	3		29.83	86	86	82	87	bc	Pic cum Scum	5	S	
2	7 6		"	S.	3		29.83	86	85	82	87	"	"	2	"	
3	8 0		"	"	3		29.83	86	85	80	87	"	"	6	"	
4	8 2		"	"	3		29.83	86	85	80	87	"	"	6	"	
5	8 11		"	"	2		29.82	86	84	82	87	"	"	6	"	
6	8 2		"	"	2		29.82	86	84	82	87	"	"	5	"	
7	8 0		"	S. S. W.	2		29.84	86	84	82	87	"	"	5	"	
8	8 0		"	"	2		29.86	86	84	82	87	"	"	1	"	Set for and aft sail
9	8 0		"	S. W.	11		29.86	86	84	82	87	"	"	5	"	
10	8 5		"	"	11		29.86	86	84	83	86	"	"	6	"	
11	8 0		"	"	11		29.86	86	84	80	86	"	"	7	"	
Noon.	7 0		"	"	11		29.86	86	84	80	86	"	"	6	"	

Distance run by Log since preceding Noon

190 knots 11 tenths fathoms.

Latitude by D. R. at Noon

13° 45' 00" N.

Longitude by D. R. at Noon

109° 51' 00" E.

Latitude by Observations at Noon ☉

13° 49' 00" N.

Longitude by Chronometer from Forenoon Observations ☉

109° 46' 00" E.

Current during the time knots fms. per hour, setting to the

P

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at 8. AM.

2° 30' E

Water expended during the preceding 24 hours

400 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1300 "

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P. M.																
1	3 7		S. W. E	S. W. x S.	3		29.83	85	84	81	84	bc	Stratus	6	"	Took in main top sail
2	7 6		"	"	3		29.80	86	86	82	85	"	"	6	"	
3	7 8		"	"	3		29.79	87	87	83	86	"	"	6	"	
4	8 0		"	"	11		29.78	87	87	83	86	"	"	5	"	
5	8 0		"	S.	3		29.76	87	86	83	86	"	"	5	"	Took in 7th sail
6	6 11		"	S. x E.	3		29.78	87	86	83	86	bc	"	5	"	
7	7 0		"	"	11		29.70	86	85	84	86	"	"	6	"	
8	7 0		"	S. x W.	11		29.84	85	85	84	86	"	"	8	"	
9	7 0		"	"	11		29.84	85	85	84	86	"	Pir	8	"	
10	7 0		"	S.	11		29.84	85	84	84	86	"	"	8	"	
11	7 0		"	S. x W.	11		29.84	85	84	84	86	"	"	8	"	
Mid.	7 0		"	S. S. W.	11		29.84	85	84	84	86	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>r</sup> Cornick  
Sunday, July 27.

, U. S. Navy,

1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Pleasant weather. Gentle breeze from S. S. E. hauling to South. Smooth sea. Steam 47 lbs. Revs 45.5. Aneroid barometer 29.90. Patent log 31 knots.

Signed. W. H. Irwin.

Lieut

11 to 8 A.M. Partly cloudy. Pleasant weather. Light S by and S. S. W. breeze. Rising barometer. At daylight sighted high land on starboard bow and beam. Vessel on course, at end of watch. Av. steam 48 lbs. Revs. 47. Patent log 69 miles. Aneroid barometer 29.93.

Signed. W. G. Hammon, Ensign.

8 A.M. to Meridian. Weather clear and pleasant, Moderate breeze from S. W. Under steam and fore and aft sail. At 9.15 mustered at quarters. Land in sight on starboard beam, bow and quarter. Barometer steady. Aneroid barometer 29.81. Steam 48 lbs. Revs. 47.5. Patent log at end of watch 103 knots.

Signed.

Karl Rohrer, Lieut

Meridian to 4 P.M. Weather clear and warm, Gentle breeze from S. and W. Barometer falling. Took in main tripod at 12.30. Changed course to S by E. at 12<sup>30</sup>. Aneroid at end of watch 29.82. Steam 47. Revs. 45. Patent log 37.

Signed.

C. P. Aus.

Lieut

4 to 6 P.M. Pleasant weather. Light breeze from South hauling to S by E. At 4.45 took in fore and aft sail. Steam 48 lbs. Revs 47. Aneroid barometer 29.83.

Signed.

W. H. Irwin.

Lieut

6 to 8 P.M. Clear and warm, Light breeze from S by E to S by W. Smooth sea, Steaming under six boilers. Patent log 66. Aneroid 29.90.

Signed.

Wainwright Kellogg, Lieut

8 P.M. to Midnight. Weather clear and pleasant, Moderate breeze from S. to S. S. W. Barometer steady. Under steam, making 45 revolutions and 45 lbs steam pressure. Lightening at intervals. Patent log 45 knots. Aneroid barometer 29.90.

Signed.

Karl Rohrer.

Lieut

Longitude

Examined and found to be correct.

Dec. 4° 30' 02" S.

Phase, New moon

W. H. Parker  
Lieut. Navigator.



Steamer "Essex", 3d Rate, 6 Guns,  
Making passage from Hong Kong to Singapore, Strits Settlements

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	7 11		S 1/2 E	S 21	3		29.83	84	84	82	86	bc	cir strat	8		Fore and aft sail
2	7 0		"	"	3		29.83	84	84	82	86	"	"	7		except flying jibs
3	6 0		"	"	11		29.83	83	83	81	84	"	"	6		
4	5 6		"	"	11		29.83	83	83	81	84	"	"	6		
5	5 11		"	"	11		29.83	83	80	80	84	bc	"	6		
6	6 2		"	"	5		29.83	83	80	79	84	"	"	5		
7	6 8		"	"	5		29.83	81	80	79	84	"	"	5		
8	7 0		"	"	5		29.83	81	79	79	84	"	"	7		
9	4 5		"	S. W x N.	5		29.83	81	79	79	84	"	Q'rs cum strat	6		
10	3 5		"	"	5		29.83	81	80	80	84	"	"	5		
11	2 5		S.	"	6		29.81	81	80	80	84	"	"	11		
Noon.	5 6		"	"	6		29.81	81	80	80	84	"	"	11		

Distance run by Log since preceding Noon

155 knots 2 fathoms.

Latitude by D. R. at Noon

11° 11' 00" N

Longitude by D. R. at Noon

110° 02' 00" E

Latitude by Observations at Noon ☉

11° 12' 00" N

Longitude by Chronometer from Forenoon Observations ☉

110° 06' 00" E

Current during the time knots fms. per hour, setting to the

P

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

F A M

2° 00' E

Water expended during the preceding 24 hours

400 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

900 "

Coal consumed during the preceding 24 hours

14 tons 1940 lbs.

Coal remaining on hand at Noon

83 " 260 "

P. M.																
1	5 5		S	S. W.	6		29.80	81	80	80	82	bc	Q'rs cum strat	5		
2	5 5		"	"	6		29.80	81	80	80	82	"	"	11		
3	5 5		"	"	6		29.78	81	80	80	82	"	"	11		
4	6 5		"	"	6		29.79	81	80	80	82	"	"	11		
5	5 0		N S W 3/4 W	"	6		29.79	82	82	81	82	"	"	11		Looking for a sail
6	4 5		"	"	6		29.80	82	82	81	82	"	Q'rs cum strat	5		
7	3 2		"	"	6		29.81	83	82	81	82	"	"	11		
8	5 0		"	"	4-6		29.83	83	82	81	82	"	"	11		
9	4 2		"	"	4-6		29.84	84	83	79	82	bc	"	11		
10	4 6		"	"	4-6		29.86	84	83	79	82	"	"	2		
11	4 4		"	"	4-6		29.85	84	82	79	82	bc	"	11		
Mid.	4 4		"	S. W x N.	4-6		29.80	84	82	79	82	bc	"	5		

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. B. M<sup>c</sup>Donnick  
Monday, July 28.

, U. S. Navy,

, 1874.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Weather clear and pleasant. Gentle to moderate breeze from S.W. Moderate swell from S. and Wd. Barometer steady. Set jib, fore topmast stay sail, and spanker at 12.10. Aneroid at end of watch 29.90. Steam 46. Rvs 42.

Signed.

C. P. Rees.

Lieut

11 to 8 A.M. Cloudy. Fresh breeze from S.W. Moderate sea. At daylight land was sighted on starboard beam. Steam 49 lbs. Rvs 44.8. Patent log 46.5. Aneroid barometer 29.95.

Signed.

W. M. Irwin.

Lieut

8 A.M. to Meridian. Clear and warm. Strong breeze from S.W. by W. Moderate sea. At 9.15 mustered at quarters. At 8.45 stopped engines and set up on main bolts. At 10<sup>25</sup> steamed ahead, course South. Steaming under six boilers. Patent log 59 miles. Aneroid 29.90.

Signed.

Wainwright Kellogg.

Lieut

Meridian to 11 P.M. Weather clear and pleasant. Stiff breeze from S.W. Barometer steady. Moderate sea running. Under steam and fore and aft sail. Pressure 44 lbs and making 42 revolutions. Aneroid barometer 29.92.

Signed.

Karl Rohrer.

Lieut

11 to 6 P.M. Weather partially cloudy with strong breeze from S.W. Barometer rising. Took in fore and aft sail at 4.50. Changed course to N.S.W.  $\frac{3}{4}$  W. Aneroid at end of watch 29.92. Steam 48. Rvs 38. Patent log 93.

Signed.

C. P. Rees.

Lieut

6 to 8 P.M. Cloudy with strong breeze from S.W. Moderate sea. Steam 46.5. Revolutions 38.1. Patent log 101. Aneroid barometer 29.96.

Signed.

W. M. Irwin.

Lieut

8 P.M. to Midnight. Cloudy. Strong breeze from S.W. to W.S.W. Moderate sea. Steaming under six boilers. Pat. log 145. Aneroid 29.97.

Signed.

Wainwright Kellogg.

Lieut

Moon Laid Examined and found to be correct.

Dec 8° 14' 11" S.

Phase, New moon.

M. J. Parker  
Lieut & Navigator.



Making passage from Hong Kong to Singapore, Straits Settlements

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	3	5	N S W 3/4 N.	N S W	5		29.84	81	81	77	82	bc	cir	11	M	
2	11	0	"	"	5		29.82	84	82	78	82	"	circum	7	"	
3	2	5	"	"	5		29.80	83	82	78	82	"	"	8	"	
4	3	5	"	"	5		29.80	83	82	79	82	"	"	5	"	
5	3	0	"	"	5-6		29.80	82	82	78	82	bcg	circum	11	"	
6	11	0	"	"	5-6		29.82	82	82	78	82	"	"	1	"	
7	11	0	"	S W 1/2 N.	5-7		29.82	82	81	78	82	"	"	1	"	
8	11	0	"	"	5-6		29.83	82	82	79	82	"	"	3	"	
9	3	5	"	"	5-6		29.84	84	83	78	82	"	"	1	"	
10	3	0	S x E 1/2 E	N S W	5-6		29.84	83	82	77	82	ocg	"	0	"	Single reefed foresail
11	3	0	S x E.	"	5-7	3	29.85	82	80	77	82	ocgd	"	0	"	double reefed main topsail
Noon.	2	5	"	"	5-6	3	29.85	82	80	77	82	"	"	0	"	fore topstaysail Main topmast

Distance run by Log since preceding Noon

99 knots 8 tenths fathoms

Latitude by D. R. at Noon

10° 23' 00" N

Longitude by D. R. at Noon

109° 42' 00" E

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

110° 23' 00" E

Current during the time 1.8 knots fms. per hour, setting to the

E

1128 Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

1400 gallons.

Water distilled during the preceding 24 hours

100 "

Water remaining on hand fit for use at Noon

600 "

Coal consumed during the preceding 24 hours

14 tons 1640 lbs.

Coal remaining on hand at Noon

68 " 860 "

P. M.	Knots.	Fathoms.	Courses steered.	WINDS.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	3	0	S 1/2 E	N S W	5-7	11	29.86	81	81	77	82	ocg p	circum	0	"	
2	2	11	"	N x S.	5-7	11	29.86	81	81	77	82	oc	"	0	"	
3	2	11	"	"	5-7	11	29.85	83	82	79	82	"	"	0	"	
4	3	0	"	"	5-6	11	29.84	83	82	79	82	"	"	0	"	
5	3	0	S. S. E.	"	6		29.84	83	82	79	82	"	dis	0	"	
6	3	0	"	N S W	5		29.84	83	82	79	82	bc	"	2	"	
7	3	0	S x E 1/2 E	"	5	3	29.84	83	82	79	82	"	"	2	"	
8	2	0	S 1/2 E	"	5	3	29.84	83	82	79	82	"	"	3	"	
9	3	2	N W 1/2 N.	S W 1/2 N.	5-6	2 1/2	29.84	83	82	79	82	bcg	"	5	"	
10	3	6	N W 1/2 N.	S W	5-6	2 1/2	29.85	83	82	79	82	"	"	6	"	
11	3	6	"	"	5-6	2 1/2	29.84	83	82	79	82	"	"	7	"	
Mid.	3	8	"	"	5-6	2 1/2	29.84	83	82	79	82	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>o</sup> Cornick, U. S. Navy,  
Tuesday, July 29, 1891.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 11 A.M. Weather clear and pleasant, Fresh breeze from W.S.W. Barometer falling. Moderate sea running which ship rides easily. At 2<sup>35</sup> the engineer on watch, slowing the engine, fell off into the trough of the sea, and as the ship would not answer her helm which was put hard a starboard, supposed the steering gear carried away, ordered an investigation and the relieving tackles hooked the patent log hauled in, and the engines to slow. Upon finding everything right ordered the patent log put over again and in obeying the order the quartermaster lost overboard the line and propeller thereof, it reading at that time 21 knots. Got up another patent log and put it over at 3, it reading then 61 knots, and at 4 reading 63.9 knots. Under steam, pressure 48 lbs and making 37 revolutions, Aneroid barometer 29.94.

Signed.

Karl Rohrer.

Lieut.

11 to 8 A.M. Weather cloudy and warm with fresh breeze and stiff squalls from S<sup>e</sup> and W<sup>e</sup>, Barometer rising. Hauled in Bliss' log at 8.45 registering 70.1 miles and put over Walkers showing 21 miles. Aneroid at end of watch 29.98. Steam 48. Revs 38.7. Patent log 25.8.

Signed.

C. P. Reis.

Lieut.

8 A.M. to Meridian. Overcast and cloudy with light drizzling rain latter part, Fresh wind with frequent squalls from W.S.W. Rough sea. Barometer steady. At 8.30 called all hands and fiddled topgallant masts. Set fore topmast staysail and main topsail, loosed fore and main topsails, put one reef in the former and two in the latter and set them, and kept ship by the wind. At 9.45 banked fires under four boilers, keeping two for distilling purposes. Stopped steaming and hauled in patent log reading 32.5. At 11<sup>00</sup> started distilling. Aneroid barometer 30.00.

Signed.

W. M. Irwin.

Lieut.

Meridian to 11 P.M. Cloudy. Strong breeze from W.S.W. to W by S. gradually decreasing to fresh breeze at end of watch. At 12.30 had a strong squall from W.S.W. Parted foot rope of fore sail and split sail, unbent it and bent on fore sail. At 1<sup>00</sup> set double reefed topsails. Moderate sea. Banked fires. Aneroid 29.95.

Signed.

Wainwright Kellogg.

Lieut.

11 to 6 P.M. Weather pleasant, Fresh breeze from W by S to W.S.W. Barometer steady. Fires banked. Distilling water. Moderate sea running which ship rides easily. Aneroid barometer 29.96.

Signed.

Karl Rohrer.

Lieut.

6 to 8 P.M. Weather cloudy and squally. Moderate breeze from W.S.W. Barometer steady. Wore ship at 7.20. Banked fires. Aneroid barometer 29.98.

Signed.

C. P. Reis.

Lieut.

8 P.M. to Midnight Partly cloudy, threatening rain. Lightning to Sd and Wd. Fresh breeze with frequent squalls from S.W. Rough sea. Distilling. Aneroid barometer 30.00. Signed, W. M. Irwin.

Lieut.

Woodland. Examined and found to be correct.

Dec. 11° 32' 38" S.  
Phase. First quarter.

W. S. Park  
Lieut. & Navigator.



Making passage from Hongkong to Singapore. Straits Settlements.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	2	8	NW x N.	S. W.	5-6	2	29.84	84	80	80	82	bcg	9 Cum	11	Q	Double reefed topsails
2	2	6	"	"	5-6	2	29.84	84	80	80	82	"	"	8	"	foresail, for top stay sail
3	2	6	"	"	5-6	2	29.84	84	80	80	82	"	"	3	"	main topsail
4	2	6	"	"	5-6	2	29.84	84	80	80	82	"	"	3	"	"
5	3	0	"	"	6	2	29.84	84	82	79	82	bc	8 Cum	11	M	"
6	3	0	"	"	6	2	29.84	84	82	79	82	"	"	2	"	"
7	3	5	"	"	6	2	29.84	84	82	79	82	"	8 Cum	3	"	"
10° 53'	8	3	5	"	6	2	29.84	83	81	79	82	"	"	11	"	"
11° 15'	9	4	0	NW x N. 1/4 N.	5-6	3	29.83	81	80	77	80	bcg	9 Cum	6	"	"
10	3	5	NW x N. 1/4 N.	"	5-6	3	29.83	81	80	77	80	"	"	6	"	Shook reef out of top
11	5	2	NW x N.	"	4-5	2	29.83	81	80	77	80	"	"	6	"	sails & foresail
Noon.	3	0	"	"	4-5	2	29.83	81	80	77	80	"	"	6	"	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time 2.0 knots fms per hour, setting to the

1128. Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

Water distilled during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

P. M.																
1	3	0	NW x N	S. W.	4-5	2	29.80	81	80	78	80	bcg	9 Cum	6	M	Set topgall sail & spanker
2	4	0	"	"	4-5	1	29.78	81	80	78	80	"	"	6	"	took in main topsail
3	6	4	NW x N 1/4 N	S. W. x S.	4-5	1	29.76	81	80	76	80	"	"	6	"	and topgall sail
4	5	8	NW x N	"	5-6	1	29.74	81	80	77	80	"	"	7	"	"
5	6	0	NW x N	"	5-6		29.76	81	80	77	80	"	"	5	"	Set main topsail and
6	6	4	NW x N 1/4 N	"	5-6		29.78	81	80	77	80	"	"	3	"	took on reef in ft. sail
7	6	0	NW x N	"	6		29.78	83	80	78	80	bc	"	11	"	took reef in ft. sail
11° 25'	8	5	5	"	4-5		29.78	83	80	78	80	"	"	5	"	"
11° 35'	9	4	2	N 1/4 N.	4-5		29.80	81	80	78	80	"	"	11	"	"
10	3	8	"	"	4-5		29.80	80	80	77	80	"	"	11	"	"
11	6	5	NW x N	S. W.	5-6		29.80	80	80	77	80	"	"	11	"	"
Mid.	7	0	"	"	5-6		29.78	80	80	77	79	"	"	3	"	"

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander A. H. McCormick  
Wednesday, July 30.

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Cloudy. Strong breeze from S.W. Moderate sea. Banked fires. Aneroid 29.94.

Signed. Hainwright Kellogg.

Lieut

4 to 8 A.M. Weather pleasant, fresh breeze from S.W. Barometer steady. Stopped distilling and hauled fires under two boilers. Fires banked under six boilers. Aneroid barometer 29.95.

Signed. Karl Rohrer.

Lieut

8 A.M. to Meridian. Weather clear and pleasant. Moderate to gentle breeze from S.W. Barometer steady. Mustered at quarters at 9.30. Shook reef out of foresail and one out of topsails at 10.10. Aneroid at end of watch 29.94. Under banked fires.

Signed. C. P. Rus.

Lieut

Meridian to 4 P.M. Pleasant weather, hazy. Fresh breeze from S.W. to S.W. by W. Moderate sea. At 12.40 shook reef out of topsails, bent top-gallant sails, crossed top-gallant yards and set the sails. Set jib and spanker. At 2.40 main topsail split, furled and unbent it, and bent new one; took in and furled top-gallant sails. A large steamer showing British colors passed heading to S.W. Aneroid barometer 29.90.

Signed. W. M. Irwin.

Lieut

4 to 6 P.M. Cloudy. Fresh breeze from S.W. by S. Moderate sea. At 4.45 mustered at quarters. Set main topsail. Took off in fore topsail, and jib. Banked fires. Aneroid 29.90.

Signed. Hainwright Kellogg.

Lieut

6 to 8 P.M. Clear and pleasant weather. Breeze fresh to moderate from S.W. by S. Barometer steady. Fires banked under six boilers. Ship under sail. Wind and sea going down latter part of watch. Aneroid barometer 29.95.

Signed. Karl Rohrer.

Lieut

8 P.M. to Midnight. Weather cloudy and squally. Wind freshening to a moderate gale latter part of watch. Barometer steady. At 11.40 the head of the foretopmast staysail carried away; hauled down and stowed the sail. Called all hands shorten sail at 11.50 and clipped down topsails for reefing. Aneroid at end of watch 29.93.

Signed. C. P. Rus.

Lieut

Moonlight Examined and found to be correct.

Dec 14° 19' 42" S.

Phase. First quarter

W. H. Parker  
Lieut & Navigator.



Making passage from Hong Kong to Singapore, Straits Settlements

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	1 0		N x N	S. W.	6-7	3	29.74	81	80	77	79	bcgl	Cum 8	5	R	blow reefed topsails
2	3 0		N x N 1/2 W	"	6-7	3	29.72	81	80	77	79	"	"	5	"	single reefed foresail
3	4 0		"	"	6-7	3	29.70	81	79	77	79	"	"	11	"	fore storm staysail
4	4 0		N x N	S. W. x S.	6-7	3	29.70	81	79	77	79	"	"	14	"	and storm mizzen
5	3 0		"	"	6-7	2	29.72	80	79	77	79	bcgl	"	5	"	
6	2 0		"	"	5-6	2	29.73	80	79	77	79	"	"	14	"	
7	11 0		"	"	5-6	2	29.75	80	79	77	79	"	"	14	"	
8	2 8		"	"	5-6	2	29.75	80	79	77	79	"	"	14	"	
9	2 0		"	S. S. W.	3-4	1	29.75	80	79	76	79	"	Cir Cum	14	"	
10	2 5		"	"	3-6	1	29.75	80	79	76	79	bc	Cir Cum	14	"	
11	2 5		"	"	3-6	1	29.75	80	79	76	79	"	"	14	"	
Noon.	2 0		"	"	5-7	1	29.75	80	78	76	79	"	"	5	"	

Distance run by Log since preceding Noon

47 knots 4 fathoms

Latitude by D. R. at Noon

11° 58' 00" N

Longitude by D. R. at Noon

109° 53' 00" E

Latitude by Observations at Noon ☉

12° 00' 00" N

Longitude by Chronometer from Forenoon Observations ☉

110° 02' 00" E

Current during the time . 4/1 knots — fms. per hour, setting to the

N 78° E

1425 Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

1° 00' 00" E

Water expended during the preceding 24 hours

400 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2200 "

Coal consumed during the preceding 24 hours

1 tons 1960 lbs.

Coal remaining on hand at Noon

62 " 1700 "

P. M.	Knots.	Fathoms.	Courses steered.	WINDS.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	3 5		N x N	S. S. W.	5-6	3	29.75	80	80	77	80	bc	Cir Cum	5	M	
2	3 0		N 1/2 S.	"	5-6	3	29.75	80	80	77	80	"	"	6	"	
3	3 0		N.	"	5-6	3	29.75	81	81	78	81	"	"	5	"	
4	8 2		N 8/16 E	"	5-6		29.73	81	81	78	81	"	"	5	"	
5	8 6		"	"	5-6		29.74	82	81	79	81	"	"	5	"	
6	8 6		"	"	5-6		29.76	82	81	79	81	"	"	14	"	
7	8 8		"	"	5-6		29.79	83	82	79	82	"	"	5	"	
8	8 14		"	"	5-6		29.79	83	82	79	82	"	Cir Cum	7	"	
9	8 5		"	"	5-7		29.79	83	82	79	82	bcgl	"	5	"	
10	8 5		"	"	5-6		29.79	83	82	79	82	"	"	6	"	
11	8 5		"	"	5-7		29.79	83	82	79	82	"	"	6	"	
Mid.	8 5		"	"	5-7		29.79	83	82	79	82	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

110° 00' 00" E

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by azo at 11 p.m.

1° 00' 00" E



under the command of

Commander A. H. M. Cornick  
Thursday, July 31.

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Cloudy and cool. Strong breeze with frequent squalls from S.W. Close reefed fore and main topsails, single reefed foresail, sent down top gallant yards bent, and set fore storm staysails hauled down, and stowed jib and bent storm mizzen. Aneroid bar, 29.88.

Signed. W. M. Irwin.

Lieut.

1 to 8. A.M. Cloudy, clearing last hour. Strong breeze with occasional squalls from S.W. Moderate sea. Banked fires under six boilers. Aneroid 29.92.

Signed. Wainwright Kellogg.

Lieut.

8 A.M. to Meridian. Clear and pleasant weather. Stiff breeze from S.W. Barometer steady. Hauled fires. Poo off new main topsail reefed. Aneroid barometer 29.92.

Signed. Karl Kohrer.

Lieut.

Meridian to 11 P.M. Weather partly cloudy and pleasant. Strong S.W. monsoon. Barometer steady. Having found it impracticable to make headway against strong monsoon, and current wore around at 3.00 and shaped course for Hong Kong, standing N.E. by E (Ec) Took in main topsail, and set fore topmast staysail. Bent top gallant sails, and crossed top gallant yards. Aneroid at end of watch 29.89.

Signed. C. P. Rees.

Lieut.

11 to 6 P.M. Cloudy and cool. Fresh breeze from S. S.W. Moderate sea. At 11<sup>20</sup> shook one reef out of foresail. Two reefs out of fore topsail, and one reef out of main topsail. Mustered at quarters at 11.45. Aneroid barometer 29.92.

Signed. W. M. Irwin.

Lieut.

6 to 8 P.M. Clear and pleasant. Strong breeze from S. S.W. Moderate sea. Aneroid 29.93. Patent log 68.

Signed. Wainwright Kellogg.

Lieut.

8 P.M. to Midnight, Clear and pleasant. Breeze strong in squalls from S. S.W. Barometer steady. Heavy dew. Patent log at end of watch indicating 10 knots. Moderate sea running which ship rides easily. Aneroid barometer 29.96.

Signed.

Karl Kohrer.

Lieut.

Moonlight Examined and found to be correct.

Dec 16° 29' 03" S.

Phase. First quarter

W. H. Parker  
Lieut. Navigator.



*Steamer Essex*, 3d Rate, 6 Guns,  
At sea, bound for Hong Kong, China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8 5		NE 1/4 E.	S. S. W.	5-6		29.81	82	81	79	81	bc	gi cum	6	M	Rain sail to topsail
2	8 4		"	"	5-6		29.81	82	81	79	81	"	"	6	"	except mainsail
3	8 0		"	"	5-6		29.81	82	81	79	81	"	"	5	"	
4	7 8		"	"	5		29.81	82	81	79	81	"	"	6	"	
5	7 2		"	"	5		29.84	83	81	79	81	"	"	6	"	Set top gallantsails
6	6 5		"	"	5		29.86	83	81	79	81	"	"	6	"	
7	6 8		"	"	4		29.88	83	81	79	81	"	"	7	"	
8	7 6		"	"	5		29.88	83	81	79	81	"	"	7	"	
9	8 0		"	"	5		29.90	83	81	79	81	"	"	6	S	
10	8 11		"	"	5		29.92	84	81	83		"	"	11	"	
11	7 6		"	"	5		29.94	85	80	82	84	"	"	5	"	Set royals
Noon.	5 0		"	"	5		29.95	85	86	83	84	"	"	5	"	

Distance run by Log since preceding Noon

175 knots 9 tenths

Latitude by D. R. at Noon

13° 42' 00" N

Longitude by D. R. at Noon

112° 18' 00" E

Latitude by Observations at Noon ☉

13° 28' 00" N

Longitude by Chronometer from Forenoon Observations ☉

112° 18' 00" E

Current during the time knots fms. per hour, setting to the

S.

Variation of the Compass by Amplitude ☉ observed at Sunrise

"

1128. Variation of the Compass by Azimuth ☉ observed at

1° 00' 00" E

Water expended during the preceding 24 hours

450 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1750 "

Coal consumed during the preceding 24 hours

tons 1400 lbs.

Coal remaining on hand at Noon

62 " 1300 "

P. M.																
1	3 0		NE 1/4 E.	S. W.	5		29.95	85	86	82	84	bc	Pum & Cum	5	S	
2	6 0		"	"	11		29.93	85	86	82	84	"	"	5	"	
3	6 0		"	S. W. 1/4 W.	11		29.90	85	86	82	84	"	gi	8	"	
4	6 5		"	"	11		29.88	85	86	82	84	"	"	8	"	
5	6 5		"	"	11		29.86	85	85	82	84	"	"	8	"	
6	6 3		"	"	11		29.86	84	84	81	84	"	"	8	"	
7	6 14		"	"	11		29.86	84	83	81	83	"	gi cum	8	"	
8	6 0		"	"	11		29.86	84	83	81	83	"	"	9	"	
9	6 0		"	"	3		29.88	84	83	82	83	"	"	9	"	
10	6 0		"	"	3		29.88	84	83	82	83	"	"	8	"	
11	5 0		"	"	3		29.87	84	83	82	83	"	"	9	"	
Mid.	4 0		"	"	3		29.87	84	83	82	83	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

112° 21' 00" E

Longitude by Chronometer from Observations \*

"

Variation of the Compass by Amplitude observed at Sunset

"

Variation of the Compass by az ☉ at 11 pm.

1° 30' 00" E



under the command of

Commander A. H. McCormick, U. S. Navy,  
Sunday, August 1, 1881

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and pleasant. Fresh to moderate breeze from S. S. W. Barometer steady. Sea growing smooth. Aneroid at end of watch 29.92.

Signed. C. P. Reis. Lieut.  
4 to 8 A.M. Pleasant weather. Moderate breeze from S. S. W. Moderate sea and ship rolling easily. At 4<sup>35</sup> furlid and unbent fore top sail, the port rope having parted. Got up, bent and set the new fore top sail. At 5<sup>25</sup> set main top gallant sail. At 6<sup>25</sup> shook reef out of main top sail. Aneroid barometer 29.98. At end of watch patent log showed 67 knots.

Signed. W. M. Irwin. Lieut.  
8 A.M. to Meridian. Clear and warm. Moderate breeze from S. S. W. Moderate sea. At 9.30 mustered at quarters. At 10. Crossed royal yards and set the sails. Tied life buoys. Aneroid 29.98.

Signed. Wainwright Kellogg. Lieut.  
Meridian to 11 P.M. Clear and pleasant weather. Moderate breeze from S. W. to S. W. by W. Barometer falling. Smooth sea. Patent log showing 19 knots at end of watch. Aneroid barometer 29.93.

Signed. Karl Rohrer. Lieut.  
11 to 6 P.M. Weather clear and pleasant. Moderate breeze from S. W. by W. Smooth sea. Aneroid at end of watch 29.93. Patent log 34.2.

Signed. C. P. Reis. Lieut.  
6 to 8 P.M. Pleasant weather. Bright moonlight. Moderate breeze from S. W. by W. Sea smooth. Barometer steady. Aneroid 29.95.

Signed. W. M. Irwin. Lieut.  
8 P.M. to Midnight. Clear and pleasant. Light breeze from S. W. by W. Smooth sea. Bright moonlight. Aneroid 29.95. Patent log at end of watch 63 miles.

Signed. Wainwright Kellogg. Lieut.

Moon and Examined and found to be correct.

Dec 17° 55' 48" S.  
Chase, First quarters

W. H. Parker  
Lieut & Navigator.



LOG of the UNITED STATES

Steamer *Essie*

3d Rate, 6 Guns,

At sea, bound for Hong Kong, China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	3 0		NE 1/4 N.	S. W.	2		29.96	84	83	81	83	bc	cir	8	S	
2	3 0		"	"	2		29.96	84	83	81	83	"	"	8	"	
3	3 0		"	"	2		29.96	84	83	81	83	"	cir cum	7	"	
4	3 0		"	"	2		29.96	84	83	81	83	"	"	7	"	
5	3 2		"	"	2		29.96	82	82	80	83	"	cir cum strat	3	"	
6	3 0		"	"	2		29.96	82	82	80	83	"	"	6	"	
7	2 4		"	S. W. x W.	2		29.99	82	83	81	83	"	"	7	"	
8	2 4		"	"	1		29.98	83	83	81	83	"	cir cum	7	"	
9	2 6		"	N. S. W.	1		29.97	83	83	81	83	"	"	7	"	
10	3 0		"	"	1		29.97	84	84	82	84	"	"	5	"	
11	2 2		"	"	1		29.97	84	85	83	84	"	"	6	"	
Noon.	2 0		"	"	1		29.97	84	85	83	84	"	"	7	"	

Distance run by Log since preceding Noon

103 knots 3 fathoms

Latitude by D. R. at Noon

14° 45' 00" N

Longitude by D. R. at Noon

113° 33' 00" E

Latitude by Observations at Noon

14° 45' 00" N

Longitude by Chronometer from Forenoon Observations

113° 29' 00" E

Current during the time knots fms. per hour, setting to the

1128.

Variation of the Compass by Amplitude observed at Sunrise

0° 00' 00"

Variation of the Compass by Azimuth observed at 8 AM.

1° 00' 00" E

Water expended during the preceding 24 hours

1450 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1300 "

Coal consumed during the preceding 24 hours

tons 1400 lbs.

Coal remaining on hand at Noon

62 " 900 "

P. M.																
1	3 0		NE 1/4 N.	N. S. W.	2		29.86	86	86	82	84	bc	cir cum	7	S	
2	3 8		"	"	2		29.84	86	86	82	84	"	"	3	"	
3	4 2		"	N. S. W.	3		29.83	86	84	82	84	"	"	3	"	Set jib and main top sail
4	4 0		"	"	3		29.83	86	84	82	84	"	"	5	"	
5	4 0		"	"	2		29.83	86	84	82	84	"	cir cum strat	5	"	Set flying jib and spanker
6	3 0		"	N. W.	2		29.84	86	83	81	84	"	"	5	"	
7	3 8		"	N. W. x N.	2		29.84	85	83	81	84	"	cir cum	7	"	
8	4 0		"	"	2		29.84	85	83	81	84	"	"	7	"	
9	3 0		N. x E 1/4 E	N. W. x N.	2		29.84	83	83	80	84	"	"	6	"	
10	2 0		NE 1/4 N.	N. W. x N.	2		29.85	83	82	80	84	"	"	5	"	
11	2 0		"	"	2		29.87	83	82	80	84	"	"	4	"	
Mid.	2 4		"	"	2		29.87	83	82	80	84	bc	"	2	"	

Longitude by Chronometer from Afternoon Observations

113° 35' 00" E

Longitude by Chronometer from Observations

\*

0° 00' 00"

Variation of the Compass by Amplitude observed at Sunset

0° 00' 00"

Variation of the Compass by azo at 4 PM

1° 00' 00" E



under the command of

Commander A. H. M<sup>o</sup> Connick

, U. S. Navy,

Saturday, August 2d, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Weather clear and pleasant, Light breeze from S.W. Barometer steady. Moon set at 1.05. Heavy dew. Patent log at end of watch showing 75 knots. Aneroid barometer 29.93.

Signed.

Karl Rohrer.

Lieut

11 to 8 A.M. Weather clear and pleasant, Light breeze from Sd and Wd. Barometer rising. Aneroid at end of watch 29.99.

Signed.

L. P. Riss.

Lieut

8 A.M. to Meridian. Clear and warm, slightly hazy. Light airs from W.S.W. Smooth sea. Sent down preventer braces. Aneroid barometer 29.95.

Signed.

W. M. Irwin.

Lieut

Meridian to 11 P.M. Clear and pleasant, Light breeze from W.S.W. to W.N.W. Smooth sea. At 3. set main trysail and jib. Aneroid 29.91. Patent log 10.2 miles.

Signed.

Wainwright Kellogg.

Lieut

11 to 6 P.M. Clear and pleasant weather. Light breeze from W.N.W. Barometer steady. Bent flying jib and set it and the spanker. Aneroid barometer 29.91.

Signed.

Karl Rohrer.

Lieut

6 to 8 P.M. Weather clear and pleasant. Bright moonlight. Light breeze from N.W. by N. Barometer steady. Aneroid at end of watch 29.92.

Signed.

L. P. Riss.

Lieut

8 P.M. to Midnight. Partly cloudy. Light passing showers last hour. Gentle breeze from N.W. by N. and N.W. by W. At 8.10 changed course to N by E 1/4 E. Smooth sea. Aneroid barometer 29.94.

Signed.

W. M. Irwin.

Lieut

Moon mid Examined and found to be correct.

Dec 18° 36' 35" S

Phase. First quarter

M. H. Parker  
Lieut. Navigator.



At sea, bound for Hong Kong, China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	3 6		N x E 1/2 E	N 91 x 91	3		29.84	84	82	79	84	bc	Pi Cum	2		Plain sail to royal
2	5 6		"	"	11		29.84	84	82	79	84	"	"	2	"	
3	6 11		"	"	11		29.80	84	82	79	84	"	"	2	"	
4	6 0		"	"	11		29.78	84	82	79	84	"	"	11	"	
5	11 0		NNE 1/4 E	"	11		29.78	84	82	79	84	bcp	Pi Cum	2		
6	11 0		NE	N 91 x N	3		29.78	83	82	79	84	bc	"	2		Look in sail
7	3 0		E x N	N.	3		29.78	83	82	79	84	"	"	2	"	
8	1 5		N x E	"	2		29.80	83	82	79	84	"	"	11	"	
9	3 0		N 1/2 N	"	2		29.81	83	83	80	84	"	Pi Cum	4	"	
10	8 11		"	"	2		29.81	84	83	80	84	"	"	4	"	
11	8 5		"	"	1		29.81	84	84	81	84	"	"	5	"	
Noon.	8 5		"	"	1		29.80	85	85	81	84	"	Pi Cum	5	"	

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

107 knots 7 fathoms

16° 20' 00" N

114° 16' 00" E

16° 12' 00" N

114° 14' 00" E

?

° ' "

1° 15' 00" E

1400 gallons.

"

900 "

5 tons 600 lbs.

57 " 300 "

P. M.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	5 8		N 1/2 N	N 91	1	29.77	84	84	80	84	bcp	Pi Cum	11		Set fore and aft sail
2	8 11		"	"	1	29.75	83	82	79	84	"	"	5		and foresail
3	8 6		"	N	1	29.74	83	80	79	84	"	"	3		"
4	9 0		"	N 91	2	29.73	82	80	79	84	"	"	1		Look in foresail
5	9 0		"	N 91	2	29.72	82	80	79	84	"	"	2		" " Misty sail
6	9 0		"	E. N. E.	2	29.73	82	80	79	84	bc	Pi Cum	11		
7	9 0		"	E.	3	29.74	82	81	79	84	"	Pi Cum	11		
8	10 0		"	"	3	29.74	81	82	80	84	"	"	5		Set main topsail
9	9 5		"	"	3	29.76	81	80	78	83	"	Pi Cum	8		foresail and fore
10	9 2		"	"	3	29.76	81	80	78	83	"	"	8		topsail
11	9 4		"	"	3	29.76	81	80	78	83	"	"	9		"
Mid.	9 0		"	"	3	29.76	81	80	78	83	"	"	7		"

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander A. H. M<sup>r</sup> Conner

, U. S. Navy,

Sunday, August 3<sup>d</sup>

, 1881

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Cloudy. Light to moderate breeze from N by W. Smooth sea. Obscured moonlight. Barometer falling slowly. Aneroid 29.89.

Signed. Wainwright Kellogg. Lieut.  
11 to 8 A.M. Weather pleasant. Light to gentle breeze from N. to N W by W. Barometer rising. At 6 lighted fires under six boilers. At 7.20 furlled all sail and at 7.45 started ahead with the engine. Put over patent log showing 30 knots at 8 it showed 31 knots. Aneroid bar. 29.91.

Signed. Karl Rohrer. Lieut.  
8 to Meridian. Weather partly cloudy and warm. Light air from N<sup>e</sup>. Barometer steady. Changed course at 8.25 to N  $\frac{1}{2}$  W. patent log 35 miles. Called all hands to muster at 9.15 and mustered the crew. Aneroid at end of watch 29.87. Steam 54. Revs 49. Patent log 67.

Signed. W. P. Rus. Lieut.  
Meridian to 11 P.M. Cloudy with passing showers. Gentle breeze varying from N W to W. Smooth sea. Barometer falling. At 12.20 changed course to N  $\frac{1}{4}$  W. patent log reading 70.8. At 2.55 set fore and aft sail. At 3.10 set foresail. At 3.45 took in main trysail and foresail. At 3.55 set main trysail. Steam 55. Revs 50.5. Aneroid bar 29.83. Patent log 5.5.

Signed. W. M. Irwin. Lieut.  
11 to 6 P.M. Cloudy. Heavy showers of rain first hour of watch. Clearing last hour. Light variable breeze from E N E to W N W. Smooth sea. Steaming under six boilers. Patent log 24 miles. Aneroid 29.84.

Signed. Wainwright Kellogg. Lieut.  
6 to 8 P.M. Pleasant weather. Gentle breeze from East. Barometer steady. Smooth sea. Under steam and fore and aft sail. Steam pressure 49. Revs 47. Patent log indicating at end of watch 43.5 knots. Aneroid barometer 29.86.

Signed. Karl Rohrer. Lieut.  
8 P.M. to Midnight. Weather clear and pleasant. Gentle breeze from E d. Barometer steady. Set foresail and foretop sail at 8.40. Aneroid at end of watch 29.88. Steam 48. Revs 48. Pat log 80.12 miles.

Signed. C. P. Rus. Lieut.

Moon limb Examined and found to be correct.

Dec 18° 27' 39" S.

Phase. First quarter

W. P. Rus.  
Lieut. & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	9 2		N 1/4 N	E x N.	3		29.73	81	80	81	83	bc	pir cum	8	S	
2	9 6		"	"	3		29.73	81	80	79	83	"	"	7	"	
3	9 6		"	"	3		29.71	81	79	79	83	"	"	6	"	
4	9 6		"	"	3		29.71	81	79	79	83	"	"	8	"	
5	8 14		"	"	3		29.70	81	79	79	83	"	"	8	"	
6	9 0		"	"	3		29.71	81	79	79	83	"	pir	8	"	
7	8 6		"	"	3		29.71	81	79	79	83	"	"	8	"	
8	8 6		"	"	3		29.73	82	81	80	83	"	pir cum	7	"	
9	8 5		"	"	3		29.75	82	82	81	83	"	"	8	"	
10	8 5		"	"	3		29.75	82	82	81	83	"	cum & pir cum	8	"	
11	8 5		"	"	3		29.80	82	82	81	83	"	"	8	"	
Noon.	8 5		"	"	3		29.80	82	82	81	83	"	"	8	"	

Distance run by Log since preceding Noon

210 knots 3 fathoms.

Latitude by D. R. at Noon

19° 56' 00" N

Longitude by D. R. at Noon

114° 04' 00" E

Latitude by Observations at Noon ☉

20° 00' 00" N

Longitude by Chronometer from Forenoon Observations ☉

114° 02' 00" E

Current during the time knots fms. per hour, setting to the

P.

1099. Variation of the Compass by Amplitude ☉ observed at Sunrise

0° 00' 00"

Variation of the Compass by Azimuth ☉ observed at

1° 00' 00" E

Water expended during the preceding 24 hours

1400 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

500 "

Coal consumed during the preceding 24 hours

18 tons 1600 lbs.

Coal remaining on hand at Noon

41 " 1940 "

1073	P. M.															
1	5 0		N 1/2 N	NE	3		29.77	82	82	80	84	bc	pir cum	7	"	Looking for sail
2	9 3		"	"	3		29.76	82	82	78	84	"	"	7	"	and fore topsail
3	8 8		"	"	3		29.75	82	82	77	84	"	"	7	"	
4	8 14		"	NE x N.	3		29.73	82	82	77	84	"	pir cum	6	"	Looking main topsail
5	8 14		"	"	3		29.73	82	82	77	84	"	"	6	"	
6	8 14		"	"	2		29.72	82	82	77	84	"	"	7	"	
7	8 6		"	"	2		29.72	82	82	77	84	"	"	7	"	
8	8 8		"	"	2		29.73	82	82	77	84	"	"	7	"	
9	2 0		N 1/2 N	E	2		29.75	82	82	79	84	"	pir	9	"	
10	8 5		"	"	2		29.78	82	82	79	84	"	"	9	"	
11	8 5		"	E x E	2		29.78	82	82	79	84	"	pir cum	8	"	
Mid.	8 5		"	"	2		29.78	82	82	79	84	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉

114° 04' 00" E

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by *az* at 4 PM

0° 30' 00" E



under the command of

Commander A. H. M<sup>o</sup> McCormick

, U. S. Navy,

Monday, August 27

, 1881

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Clear and pleasant. Moderate breeze from E by N. Smooth sea. Steam 47 lbs. Revolutions 47. Aneroid barometer 29.844 Patent log 19.4.

11 to 8 A.M. Clear and pleasant. Light breeze from E by N. Smooth sea. Steaming under six boilers. Patent log 56. Aneroid 29.87.

8 A.M. to Meridian. Weather clear and pleasant. Barometer rising. Gentle breeze from E by N. At 9.15 mustered at quarters, after which had divisional exercise. Under steam fore and aft sail and foresail. Pressure 43 lbs. making 45.6 revolutions. Aneroid barometer 29.87. Patent log at end of watch 91.5 knots.

Meridian to 11 P.M. Weather clear and warm. Gentle breeze from N<sup>o</sup> and E. Barometer falling. At 12.35 changed course to N<sup>o</sup> W. Patent log 97. Took in and furled foresail and fore topsail. Took in main topsail at 3.50. Aneroid at end of watch 29.82. Steam 50. Rvs 49. Patent log 29.

11 to 6 P.M. Clear and pleasant. Gentle breeze from N E by N. Smooth sea. Mustered at quarters at 4.45. Unbent and stowed away fore storm staysail. Steam 46.1. Rvs 47. Aneroid barometer 29.80.

6 to 8 P.M. Clear and delightful weather. Light breeze from E N E. Smooth sea. Steaming under six boilers. Patent log 61. Aneroid 29.85.

8 P.M. to Midnight. Clear and pleasant weather. Light breeze from E to E N E. Barometer steady. Under steam and fore and aft sail. Pressure 44 lbs and making 43 revolutions. At 12 patent log indicated 100 knots. At 11.15 sighted the Sadron Islands about two points on starboard bow. At 12 the Lemna Islands bore about E. N. E. and the Sadron Islands are in sight from about N. N. E. to N. W. Aneroid barometer 29.86. At 8.15 changed course to N E by N and at 8.20 to N by N by order of Captain

Signed Karl Rohrer. Lieut

Moon & mid Examined and found to be correct.

Dec 17° 27' 31" S.  
Phase. First quarter

W. J. Parker  
Lieut. Navigator.



At sea bound for Hong Kong, China

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	7 1/2	8	N x N	N E	2		29.75	82	81	78	84	bc	Air cum 3 stral	8	S	
2	8	6	E N E	E x S	2		29.74	81	81	78	83	"	"	8	"	
3	8	0	"	"	2		29.74	81	80	78	83	"	"	7	"	
4	4 1/2	2	N E 1/2 N	"	2		29.73	81	80	78	83	"	"	7	"	
5	4	0		N N E	2		29.74	81	80	78	83	"	"	6	"	
6	2	0		"	2		29.75	81	81	80		"	"	7	"	
7	Moored		E N E	Calcu	0		29.80	81	81	80		"	"	8	"	
8	"		"	"	0		29.80	84	82	80		"	"	6	"	
9	"		"	N S W	1		29.81	84	83	79		"	"	6	"	
10	"		"	"	0-1		29.81	84	83	79		"	"	5	"	
11	"		"	"	1		29.82	84	83	79		"	"	6	"	
Noon.	"		"	"	1		29.81	83	83	79		"	"	6	"	

Distance run by Log since preceding Noon

141 knots 6 fathoms

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

1400 gallons.

Water distilled during the preceding 24 hours

750 "

Water remaining on hand fit for use at Noon

850 "

Coal consumed during the preceding 24 hours

12 tons 1720 lbs.

Coal remaining on hand at Noon

29 " 220 "

P. M.																
1	"		N S W	N x N	0-1		29.78	84	84	79		bc	air cum 6	"		
2	"		"	"	0-1		29.76	84	84	79		"	"	6	"	
3	"		S x N	S. N.	0-1		29.76	84	85	79		"	cum	7	"	
4	"		"	"	1		29.75	84	85	79		"	"	7	"	
5	"		S. E	"	2		29.74	85	84	79		"	dis	9	"	
6	"		"	"	2		29.74	85	84	79		"	"	9	"	
7	"		"	"	2		29.74	84	83	78		"	dis stral	9	"	
8	"		"	"	2		29.74	84	83	78		"	dis	9	"	
9	"		N S W	N N W	1		29.74	85	84	79		bc	-	10	"	
10	"		"	"	1		29.76	85	84	79		"	-	10	"	
11	"		"	Calcu	0		29.76	85	84	79		bc	-	10	"	
Mid.	"		"	"	0		29.76	85	84	79		"	-	10	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>c</sup> Cormick  
Tuesday, August 5

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather clear and pleasant. Bright moonlight. Light variable winds. Barometer steady. At 1. changed course to North off St. Ladrone Island and at 1.20 to E. N. E. Patent log 11.5. At 3.34 changed course to N E  $\frac{1}{2}$  N. and at 4. to N by E  $\frac{1}{4}$  E. Patent log 34. A large number of islands in sight during watch. Sighted Green Island Light at 3.35. Aneroid, at end of watch 29.84. Steam 140. Revs 43. Patent log 34.

Signed

C. P. Russ.

Lieut

11 to 8 A.M. Pleasant weather. Gentle breeze from N.W. first part calm remainder of watch. Standing in for anchorage at Stonecutters Island, opposite Hong Kong, steering various courses under direction of Commanding Officer. At 6.03 slowed down and at 6.06 let go port anchor in 6 fathoms of water, veering to 60 fathoms on port chain. At 6.35 moved ship with 30 fathoms on each chain. Hauled fire except two for distilling purposes. Ship's draft 13 ft 3 in, fore; 15 ft 8 in, aft. Bearings of anchorage: East end of Stonecutters Island S E  $\frac{1}{2}$  S. North end of Stonecutters Island N S W. Ship's head E N E.

Signed.

W. M. Irwin.

Lieut

8 A.M. to Meridian. Clear and warm. Calm and light N S W airs. Hoisted boiler into Steam Butte and hoisted out Butte. Rigged out boats. At 9.30 started distilling. Aneroid barometer 29.89.

Signed.

R. O. Bitter.

Ensign

Meridian to 11 P.M. Clear and pleasant weather. Light airs from W by N to S.W. Barometer steady. Aneroid 29.85. Distilling.

Signed.

Wainwright Kellogg.

Lieut

11 to 8 P.M. Clear and pleasant with light S.W. breeze. At 11.45 mustered at quarters. Sent down top gallant and royal yards and unbent light sails. Fore topmast staysail and main trysail. Got shut anchor out of hold on port bow and bent shut chain. Aneroid barometer 29.83.

Signed.

R. O. Bitter.

Ensign

8 P.M. to Midnight. Clear and pleasant weather. Light airs from N.W. first part of watch calm latter part. Bright moonlight. Barometer steady. Aneroid 29.84. Distilling.

Signed.

Wainwright Kellogg.

Lieut

Moon Laid Examined and found to be correct.

Dec 15° 37' 21" S.

Phase. Last quarter

W. H. Parker  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Mooned			NW	calm	0		29.76	86	84	79		bc	ci	9	S	
2	"		"	"	0		29.76	85	84	79		"	ci cum	8	"	
3	"		"	"	0		29.74	85	83	79		"	"	8	"	
4	"		E. NE	"	0		29.74	85	83	79		"	"	6	"	
5	"		"	Var	0-1		29.74	81	82	78		"	"	6	"	
6	"		"	"	0-1		29.75	82	82	78		"	"	5	"	
7	"		S. E	"	0-1		29.76	82	84	81		"	"	6	"	
8	"		"	"	0-1		29.77	84	84	81		"	"	7	"	
9	"		NW	calm	0		29.77	84	84	81		"	"	7	"	
10	"		N x N.	"	0		29.77	84	84	81		"	"	8	"	
11	"		"	"	1		29.77	85	84	81		"	"	8	"	
Noon.	"		"	NSW	2		29.77	85	84	81		"	"	7	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

450 gallons.

Water distilled during the preceding 24 hours

1800 "

Water remaining on hand fit for use at Noon

2200 "

Coal consumed during the preceding 24 hours

1 tons 2160 lbs.

Coal remaining on hand at Noon

133 " 300 "

P. M.																
1	"		N	NSW	2		29.77	86	84	81		bc	ci cum	6	"	
2	"		"	"	1		29.75	85	84	81		"	"	5	"	
3	"		"	S. S. E	1		29.74	87	86	82		"	"	5	"	
4	"		S. S. E	S. W	1		29.73	87	86	82		"	"	7	"	
5	"		E x S	S.	2		29.74	86	85	81		"	"	7	"	
6	"		"	"	1-2		29.74	86	85	81		"	ci cum	6	"	
7	"		S. E.	S. W	2		29.74	86	85	81		"	ci cum	6	"	
8	"		"	"	1-2		29.74	86	85	82		bc	"	6	"	
9	"		NNE	"	2		29.76	85	85	82		bc	"	7	"	
10	"		NSW	NSW	1		29.76	85	85	82		ocl	ci cum	0	"	
11	"		NSW x N	"	1		29.76	85	85	82		bc	"	1	"	
Mid.	"		"	calm	0		29.76	85	85	82		"	"	14	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. B. M<sup>c</sup> Cormick  
Wednesday, August 6

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and pleasant. Bright moonlight. Slight fall in barometer. Calm. Vessel commenced to swing at 3.15. Clear hawse. Distilling. Aneroid barometer 29.84.

Signed.

W. G. Hamnum.

Ensign

11 to 8 A.M. Fair and pleasant. Calm and light variable airs. Made preparations for coaling ship. Commenced coaling at 5.35. Clear hawse. Aneroid barometer at end of watch 29.86.

Signed.

R. O. Dittler.

Ensign.

8 A.M. to Meridian. Clear and warm. Light variable airs and calms. First two hours of watch, light breeze from WNW to West remainder. Received on board 110 tons of coal. Finished coaling at 10. At 9.00 set sail. Aneroid 29.85.

Signed. Mainwright Kellogg.

Lieut

Meridian to 11 P.M. Clear and warm. Light breeze, variable in direction. Falling barometer. Commenced to swing at 3.15. Cross in hawse, port chain on top. At 3.30 furled sail. Sent party of liberty men on shore. Distilling. Aneroid barometer 29.82.

Signed.

W. G. Hamnum.

Ensign.

11 to 8 P.M. Clear and warm. Light variable breeze from S to S.W. At 4.45 mustered at quarters. At 5. hauled fire and stopped, distilling. Aneroid 29.83. Flood tide, during watch.

Signed. Mainwright Kellogg.

Lieut

8 P.M. to Midnight. Cloudy. Pleasant weather. Light S.W. and W.S.W. airs. Calm last hour. Steady barometer. Lightning to W<sup>g</sup> greater part of watch. Vessel swung at 1.00. Elbow in hawse. Aneroid 29.93.

Signed

W. G. Hamnum.

Ensign

Moon Laid

Examined and found to be correct.

Dec 13° 01' 01" S.

Phase. Full moon

W. H. Parker

Lieut & Navigator.



## LOG of the UNITED STATES

Steamer Essex, 3d Rate, 6 Guns,  
Off Stonycutter's Island, Hong Kong, China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the soil the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Mooned	"	"	W.	calm	0		29.76	86	84	81		bcl	cir cum 3 cum	5	S	
2	"	"	"	"	0		29.76	86	84	81		bc	"	3	"	
3	"	"	"	"	0		29.76	86	84	81		"	"	2	"	
4	"	"	"	"	0		29.76	86	84	81		oc	"	0	"	
5	"	"	"	"	0		29.75	83	84	81		"	"	0	"	
6	"	"	S E x E.	S. W.	0-1		29.76	83	83	80		bc	cum 7 cum	14	"	
7	"	"	S E.	"	0-1		29.78	83	83	80		"	cir cum	5	"	
8	"	"	"	S. S. W.	1		29.78	83	83	80		"	cum 8 cum	3	"	
9	"	"	W x S.	"	1		29.80	84	83	80		"	"	1	"	
10	"	"	"	"	1		29.80	84	83	80		"	"	14	"	
11	"	"	"	"	1		29.80	84	83	80		"	"	5	"	
Noon.	"	"	W x N.	"	1		29.80	84	84	81		"	"	5	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

530 gallons.

Water distilled during the preceding 24 hours

1100 "

Water remaining on hand fit for use at Noon

2770 "

Coal consumed during the preceding 24 hours

tons 11400 lbs.

Coal remaining on hand at Noon

132 " 15740 "

P. M.																
1	"	"	N W	S W	1		29.79	86	85	82		bc	cir cum 6 cum	6	"	
2	"	"	"	N E	2		29.79	84	84	82		bc p lt	"	2	"	
3	"	"	"	"	1		29.79	83	82	80		bc p	"	3	"	
4	"	"	E N E.	calm	0		29.77	83	82	80		"	"	14	"	
5	"	"	E S E.	S. E.	0-1		29.76	85	83	80		bc	"	2	"	
6	"	"	"	"	0-1		29.76	85	83	80		"	cir cum 6 cum	2	"	
7	"	"	"	E S E	1		29.76	84	83	80		bc q	"	6	"	
8	"	"	"	"	1		29.76	85	83	81		"	"	5	"	
9	"	"	"	N E	1		29.78	84	83	81		bc lt	"	14	"	
10	"	"	N.	calm	0		29.79	84	83	81		"	cir cum 5 cum	5	"	
11	"	"	"	N N E.	1		29.80	84	83	81		"	"	14	"	
Mid.	"	"	"	"	1		29.80	84	83	81		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M. Cornick

, U. S. Navy,

Thursday, August 7

, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 11 A.M. Clear and pleasant weather. Calm.  
Barometer steady. Aneroid barometer 29.83.

Signed.

Karl Rohrer.

Lieut

11 to 8 A.M. Cloudy. Light airs from S.W. and calm. Aneroid 29.89.

Signed. Wainwright Kellogg.

Lieut

8 A.M. to Meridian. Cloudy. Very warm weather. Light S.W. winds.  
Crew engaged in cleaning ship inside and painting outside. An-  
eroid 29.89. Received in Engineer's Department one valve.

Signed.

W. C. Hamnum.

Ensign.

Meridian to 11 P.M. Weather damp. Light breeze from S.W. to N.E.  
Barometer steady. Passing showers of rain. Clear haze. Aneroid  
barometer 29.84.

Signed.

Karl Rohrer.

Lieut

11 to 8 P.M. Cloudy. Damp. Very warm weather. Calm and light  
airs from S.W. and E. Barometer about steady. Clear haze. An-  
eroid 29.84.

Signed.

W. C. Hamnum.

Ensign.

8 P.M. to Midnight. Cloudy but pleasant weather. Light airs  
from N.E. to N.W. Barometer rising. Clear haze. Aneroid bar. 29.89

Signed.

Karl Rohrer.

Lieut

Moon L. mid. Examined and found to be correct.

Dec. 9° 44' 23" S.

Phase. Full moon.

W. S. Park  
Lieut. Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moved			NW	NW	1		29.83	83	80	78		belt	cum	5	S	
2	"		"	"	2		29.83	80	79	76		ocult	cum	0	"	
3	"		"	NW	2		29.81	80	79	77		"	"	0	"	
4	"		"	"	1		29.79	80	79	77		oc	"	0	"	
5	"		E	calm	0		29.79	80	79	77		bc	cum	3	"	
6	"		"	ESE	0-1		29.78	82	81	79		"	"	2	"	
7	"		SE	"	0-1		29.79	85	82	79		"	"	2	"	
8	"		SE x E	NW	1		29.80	85	82	79		"	"	2	"	
9	"		N x N	NW	1		29.80	85	82	79		"	"	2	"	
10	"		NW x N	"	1		29.80	85	82	79		"	cum	2	"	
11	"		"	"	0-1		29.80	85	82	79		"	"	1	"	
Noon.	"		"	"	0-1		29.80	85	82	79		"	Qd cum	3	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

1100 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2370 "

Coal consumed during the preceding 24 hours

tons 1000 lbs.

Coal remaining on hand at Noon

132 " 540 "

P. M.																
1	"		NW	N	1		29.81	84	83	79		bc	circum	5		
2	"		"	"	1		29.80	84	83	79		"	"	5		
3	"		SE	SE	1		29.76	84	84	79		"	"	5		
4	"		"	"	1		29.76	84	84	78		"	"	5		
5	"		SE	"	1		29.76	84	83	78		"	"	11		
6	"		E x S	E x S	1		29.75	84	83	78		"	circum	11		
7	"		"	calm	0		29.78	84	83	79		"	"	5		
8	"		"	"	0		29.80	84	83	79		"	"	5		
9	"		"	"	0		29.80	84	83	79		"	circum	5		
10	"		SE	"	0		29.80	84	84	79		"	"	7		
11	"		NW x N	"	0		29.80	84	84	80		"	circ	9		
Mid.	"		"	"	0		29.80	84	84	80		"	"	9		

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. McCormick

U. S. Navy,

Friday, August 8.

1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Generally rainy and threatening with light breeze from N.W. and W. clearing weather toward close of watch. Clear hawse. Aneroid barometer 29.89.

Signed

A. J. L. J. Halpine.

Ensign.

11 to 8 A.M. Cloudy. Clear weather, calm first hour, light variable airs remainder of watch. Slight rise in barometer. Clear hawse. At 7.55 loosed sail to a bowline. Aneroid 29.90.

Signed

W. G. Hannum.

Ensign

8 A.M. to Meridian Weather cloudy but pleasant. Light airs from W. N. W. Barometer falling. At 9.30 mustered and inspected at quarters. Painting ship outside. Sent ashore to be repaired fore and main topsails and foresail. Received on board in Engineer's Department. 3 valve gauge lamps & scoop shovels. 6 tube brushes. 1 barrel of charcoal. 5 lbs black lead. 100 lamp wicks. 3 water gauge glasses. 300 lbs blacksmiths coal. 3 galls turpentine and 1 quire wrapping paper. At 11.30 shortened sail. Aneroid barometer 29.90.

Signed

Karl Rohrer.

Lieut

Meridian to 11 P.M. Generally cloudy and pleasant with slight fall of barometer and light breezes from W. and S. W. Cross in hawse. Engaged in painting ship outside. At 1. furlid sail. Aneroid barometer 29.88. Tokio left harbor. Lt W. Kellogg left the ship on leave until the 11<sup>th</sup> inst.

Signed

A. J. L. J. Halpine.

Ensign.

11 to 8 P.M. Clear and pleasant. Light airs from S. W. to E. by S. and calm. Barometer steady. Painting ship outside. Mustered at quarters at 11.45. Cross in hawse. Aneroid barometer 29.85.

Signed

Karl Rohrer.

Lieut

8 P.M. to Midnight. Clear and calm with stationary barometer and bright moonlight. At 9.40 finished swinging to lb. with clear hawse. Set S. E. by S. strength inappreciable. Aneroid barometer 29.88.

Signed

A. J. L. J. Halpine.

Lieut

Moon found Examined and found to be correct.

Dec 5° 56' 14" S.

Phase. Full moon.

M. J. L. J. Halpine  
Lieut & Navigator.



LOG of the UNITED STATES

Steamer Essex

3d Rate, 6 Guns,

Off Stonecutters Island, Hong Kong, China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
			Moved NW	Calm	0		29.80	83	83	80		bc	air	9	S	
2	"		"	"	0		29.80	82	83	79		"	"	9	"	
3	"		"	"	0		29.79	82	82	79		"	circum 8	8	"	
4	"		"	"	0		29.79	82	82	79		"	"	9	"	
5	"		NW	"	0		29.79	82	82	79		"	"	9	"	
6	"		E	"	0		29.79	82	82	78		"	cum strat	8	"	
7	"		ESE	"	0		29.79	82	81	78		"	"	8	"	
8	"		"	"	0		29.79	81	81	78		"	"	9	"	
9	"		"	"	0		29.79	82	82	78		"	"	9	"	
10	"		NW	"	0		29.79	83	84	80		"	cum	8	"	
11	"		"	"	0		29.83	83	83	79		"	"	8	"	
Noon.	"		"	SW	1		29.83	83	84	79		"	"	8	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

370 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2000 "

Coal consumed during the preceding 24 hours

tons 1000 lbs.

Coal remaining on hand at Noon

131 " 1780 "

P. M.																
1	"		N	SW	2		29.82	84	84	79		bc	circum	8	"	
2	"		"	"	2		29.80	84	84	79		"	"	8	"	
3	"		"	"	2		29.78	84	84	79		"	"	8	"	
4	"		"	"	2		29.77	84	84	80		"	"	8	"	
5	"		S	SSW	2		29.77	86	84	80		"	"	8	"	
6	"		E	NSE	2		29.77	86	84	80		"	"	8	"	
7	"		SSE	"	2		29.77	84	83	79		"	cum strat	9	"	
8	"		"	"	1		29.77	84	83	79		"	"	8	"	
9	"		SE	NW	1		29.79	85	85	80		"	"	9	"	
10	"		"	"	1		29.81	85	85	80		"	"	9	"	
11	"		NW	"	1		29.81	84	84	79		"	"	9	"	
Mid.	"		"	"	0-1		29.82	84	84	79		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>o</sup> Conrick

, U. S. Navy,

Saturday. August 9

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather clear and warm. Calm. Bright moonlight. Barometer steady. Aneroid at end of watch 29.89

Signed.

L. P. Russ.

Lieut

4 to 8 A.M. Weather clear and pleasant. Calm. Barometer steady.

Received on board fresh provisions for crew. Aneroid barometer 29.90.

Signed.

Karl Rohrer.

Lieut

8 A.M. to Meridian. Clear, warm, and pleasant, with slowly rising barometer, and light airs and calms. At 9.30 inspected at quarters. Aired bedding. Aneroid barometer 29.90.

Signed.

A. J. L. J. Halpaine.

Ensign

Meridian to 4 P.M. Weather clear, and warm. Light airs from S.W. Barometer falling. Aneroid at end of watch 29.84.

Signed.

L. P. Russ.

Lieut

4 to 8 P.M. Clear, close, and pleasant. At 4.45 mustered at quarters. Clear hawse. Aneroid barometer 29.90.

Signed.

A. J. L. J. Halpaine.

Ensign

8 P.M. to Midnight. Weather clear, and warm. Light airs from W.N.W. Barometer rising. Aneroid at end of watch 29.84.

Signed.

L. P. Russ.

Lieut

Moon & mid Examined and found to be correct.  
Dec 1° 47' 12" S.  
Phase. Full moon.

W. H. Parker  
Lieut & Navigator.



## LOG of the UNITED STATES

*Steamer "Essex"*, 3d Rate, 6 Guns,  
Off Stoncutters Island. Hong Kong. China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
			<i>Moored</i>	<i>NW</i>	<i>Calm</i>	0	29.82	84	84	79		<i>bc</i>	<i>air</i>	9	<i>S</i>	
2	"		"	"	0		29.82	84	84	79		"	"	9	"	
3	"		"	"	0		29.82	84	84	79		"	<i>circum</i>	9	"	
4	"		"	"	0		29.82	84	84	79		"	"	7	"	
5	"		<i>WN</i>	"	0		29.81	82	83	79		"	"	8	"	
6	"		<i>ES</i>	"	0		29.83	82	82	79		"	"	8	"	
7	"		"	"	0		29.84	82	83	80		"	"	7	"	
8	"		<i>ES</i>	"	0		29.85	83	84	81		"	"	7	"	
9	"		"	"	0		29.85	83	84	81		"	"	8	"	
10	"		<i>SE+S</i>	"	0		29.88	84	84	80		"	"	8	"	
11	"		<i>WN</i>	<i>SSW</i>	2		29.88	84	84	80		"	<i>circum</i>	5	"	
Noon.	"		"	"	2		29.88	84	84	80		"	"	6	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1650 "

Coal consumed during the preceding 24 hours

tons 800 lbs.

Coal remaining on hand at Noon

131 " 980 "

P. M.																
1	"		<i>W</i>	<i>SW</i>	2		29.87	86	85	80		<i>bc</i>	<i>circum</i>	5	"	
2	"		"	"	3		29.86	87	85	80		"	"	5	"	
3	"		"	"	3		29.86	87	85	80		"	"	4	"	
4	"		"	"	3		29.85	87	85	80		"	"	3	"	
5	"		<i>S</i>	<i>S</i>	1		29.85	87	85	80		"	<i>circum</i>	8	"	
6	"		<i>SE</i>	<i>SSW</i>	1		29.84	87	85	81		"	"	7	"	
7	"		"	"	0-1		29.84	87	85	81		"	<i>circum</i>	5	"	
8	"		"	<i>SE</i>	0-1		29.84	87	85	81		"	"	8	"	
9	"		"	<i>SE</i>	1		29.86	87	85	81		<i>bc</i>	"	8	"	
10	"		"	<i>E</i>	1		29.86	86	85	81		"	"	8	"	
11	"		"	<i>E+S</i>	1		29.86	84	84	80		"	"	8	"	
Mid.	"		"	"	1		29.86	84	84	80		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>o</sup> Cornick

, U. S. Navy,

Sunday, August 10.

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Calm, clear, warm and pleasant with bright moonlight. Steady barometer. Aneroid 29.88 at end of watch.

Signed. W. J. Sears. Ensign

11 to 8 A.M. Clear, calm and warm with slowly rising barometer. Clear hawse. American mail steamer came in and anchored. Received in Pay Department 177 1/2 lbs. each of fresh beef and vegetables, and 142 lbs of fresh bread. Aneroid 29.90.

Signed. N. J. D. T. Halpine. Ensign

8 A.M. to Meridian. Weather clear and hot, calm. Barometer rising.

By order of Commanding Officer placed Chat Carroll, Q.M. under sentry's charge for being under the influence of liquor. The Commanding Officer inspected the ship and crew at quarters at 9.30.

Aneroid at end of watch 29.92. Cross in hawse.

Signed. B. P. Ains. Lieut

Meridian to 11 P.M. Partly cloudy but warm and pleasant, with light to gentle breeze from S.W. Slightly falling barometer. At 1.00 sent liberty party ashore. Aneroid 29.90 at end of watch. Cross in hawse.

Signed. W. J. Sears. Ensign

11 to 8 P.M. Weather clear and warm. Barometer steady. Light variable airs. Aneroid at end of watch 29.90.

Signed. B. P. Ains. Lieut

8 P.M. to Midnight. Clear and warm with lightning around horizon. Light airs variable in direction. Steady barometer. At 9. Moon rose, bright moonlight remainder of watch. Aneroid at end of watch 29.92. Clear hawse.

Signed. W. J. Sears. Ensign

Moon Laid. Examined and found to be correct.

Dec 2° 30' 38" N.  
Phase. Full moon

N. H. Parker  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moved			NW	Calms	0		29.86	84	84	82		bc	pir cum	7	S	
2	"		"	"	0		29.86	84	84	82		"	"	2	"	
3	"		NW	SE.	0-1		29.85	84	84	80		bed	pir cum	5	"	
4	"		"	Calms	0		29.84	84	84	80		bc fr	"	8	"	
5	"		"	"	0		29.84	84	84	80		bed	"	5	"	
6	"		SW	"	0		29.84	84	84	80		"	cum	2	"	
7	"		E	E + S.	0-1		29.86	84	83	80		bc	"	1	"	
8	"		E + S.	Calms	0		29.88	83	83	80		"	"	2	"	
9	"		SE.	Var	0-1		29.89	84	84	80		"	pir cum	6	"	
10	"		"	"	0-1		29.89	84	84	80		"	"	11	"	
11	"		"	"	0-1		29.89	83	84	80		"	"	11	"	
Noon.	"		NW	"	0-1		29.89	83	84	80		"	"	11	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ☉	°	' "
Longitude by Chronometer from Forenoon Observations ☉	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	' "
Variation of the Compass by Azimuth ☉ observed at	°	' "
Water expended during the preceding 24 hours	400	gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon	1250	"
Coal consumed during the preceding 24 hours	tons 800	lbs.
Coal remaining on hand at Noon	131 " 180	"

P. M.																
1	"		N	N.	1		29.89	83	84	80		bc	pir cum	11	"	
2	"		NW	"	1		29.84	84	84	80		"	"	3	"	
3	"		NW	E + N.	1		29.84	84	84	80		"	"	1	"	
4	"		"	"	1		29.84	84	84	80		"	"	2	"	
5	"		"	"	1		29.85	86	86	81		"	"	3	"	
6	"		"	NW	1		29.85	86	86	81		"	"	3	"	
7	"		ESE.	SE.	1		29.85	86	86	81		"	"	11	"	
8	"		"	"	1		29.84	86	86	81		"	"	11	"	
9	"		"	Calms	0		29.85	85	85	81		"	"	5	"	
10	"		"	"	0		29.86	85	86	81		"	"	6	"	
11	"		"	"	0		29.86	85	86	81		"	"	11	"	
Mid.	"		"	"	0		29.86	85	86	81		"	"	11	"	

Longitude by Chronometer from Afternoon Observations ☉	°	' "
Longitude by Chronometer from Observations *	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "



under the command of

Commander A. R. M. Cornick,  
Monday, August 11

, U. S. Navy,

1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Pleasant weather, light rain last hour. Calm first part; Light airs from S E remainder of watch. Aneroid barometer 29.92 Clear hawse.

Signed.

W. M. Irwin.

Sieut

4 to 8 A.M. Weather cloudy and warm. Light variable airs, and calm. Barometer steady. Crew at work squaring rattins and painting berth deck. Aneroid at end of watch 29.94.

Signed.

G. O. Reis.

Sieut

8 A.M. to Meridian. Cloudy and warm with calms and light variable airs. Steady barometer. Engaged in squaring rattins and painting berth deck. Received in Equipment Department one coil of houseline. Aneroid 29.95. Cross in hawse.

Signed.

W. J. Sears.

Ensign

Meridian to 4 P.M. Cloudy. Warm. Light airs from W. shifting to E by N. Continued working on rigging and berth deck. Aneroid barometer 29.93. Clear hawse.

Signed.

W. M. Irwin.

Sieut

4 to 8 P.M. Cloudy and warm with light airs variable in direction. Steady barometer. Aneroid 29.92 at end of watch. Cross in hawse. Received in Equipment from W<sup>m</sup> Dolan, 1 coil 3" manilla, 1 coils 2" manilla, 1 coil 1 1/4" manilla, 45 fms 4 stranded hemp, 1 coil of hambroline, 30 hand scrubbing brushes, 50 sail muddles in Construction Department, 4 tins black paint, 2 tins of chrome green, 8 tins of yellow ochre, 1 tin of burnt sumac, 1 tin ultra marine blue, 1 tin red lead, 20 gallons of alcohol, 50 lbs of shellac, 10 galls linseed oil, 5 galls turpentine, 5 lbs dryer and 20 lbs of putty.

Signed.

W. J. Sears.

Ensign

8 P.M. to Midnight Cloudy, warm, calm. Aneroid barometer 29.93 Cross in the hawse.

Signed.

W. M. Irwin.

Sieut

Moonland Examined and found to be correct.

Dec. 6° 44' 01" N.  
Chase, Full moon.

W. H. Parker  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moored			West	West	1		29.86	83	82	80		bcl	cum 8 mums	3	S	
2	"		"	"	2-4		29.86	83	82	80		begl	"	11	"	
3	"		"	"	2-4		29.84	83	82	80		"	"	5	"	
4	"		"	"	2-4		29.84	83	82	80		"	"	5	"	
5	"		N + S	S W	1		29.84	85	83	80		bcl	"	3	"	
6	"		S W + N.	"	1		29.85	85	84	81		bc	"	2	"	
7	"		"	"	1		29.85	85	84	81		bcl	"	3	"	
8	"		E S E.	S E.	0-1		29.86	85	84	81		"	"	1	"	
9	"		"	"	1		29.86	85	84	81		bc	cir-cum	3	"	
10	"		E + S	"	1		29.88	85	84	80		"	"	11	"	
11	"		S.	S + W.	2		29.89	83	83	79		bcl	cir-cum mums	11	"	
Noon.	"		"	Var.	0-1		29.87	83	83	80		bc	"	11	"	

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ☉	°	' "
Longitude by Chronometer from Forenoon Observations ☉	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	' "
Variation of the Compass by Azimuth ☉ observed at	°	' "
Water expended during the preceding 24 hours		1100 gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon		850 "
Coal consumed during the preceding 24 hours	tons	800 lbs.
Coal remaining on hand at Noon	180 "	1620 "

P. M.																
1	"		N W	Var	0-1		29.85	83	83	80		bcl	cir-cum mums	3	"	
2	"		W S W	"	0-1		29.84	83	82	79		"	"	3	"	
3	"		"	"	0-2		29.83	83	83	80		bc	"	11	"	
4	"		"	S. S. W.	0-2		29.82	84	84	81		bcl	"	3	"	
5	"		W.	"	1		29.82	84	84	81		bc	"	5	"	
6	"		"	"	1		29.78	84	84	80		"	"	11	"	
7	"		S E + S.	"	1		29.80	85	84	80		"	"	11	"	
8	"		E S E.	"	1		29.80	84	84	80		"	"	7	"	
9	"		"	Var	0-1		29.80	84	86	82		bcl	"	8	"	
10	"		"	"	0-1		29.80	84	86	82		bc	cir-cum	8	"	
11	"		E + S.	"	0-1		29.82	84	85	82		"	"	8	"	
Mid.	"		"	"	0-1		29.82	84	85	82		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉	°	' "
Longitude by Chronometer from Observations *	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "



under the command of

Commander A. B. M<sup>r</sup> Cornick  
Tuesday, August 10

, U. S. Navy,

, 1872.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Cloudy and pleasant. Wind from the west, occasional strong puffs. Aneroid barometer 29.90. Clear hawse.

Signed. R. O. Bitter. Ensign.

11 to 5 A.M. Cloudy with calms to light airs from S.W. Slightly rising barometer. Crew engaged in rattling down and setting up backstays. Painting berth deck. Aneroid barometer 29.91. Cross in hawse.

Signed. W. J. Sears. Ensign.

5 A.M. to Meridian. Cloudy and threatening rain. Light showers latter part. Light airs from S.W. to S by E. At 9. loosed sail, and at 10.20 furl'd it. Inspected at quarters at 9.30; Geo. Lane (S.M.M.) A. B. Price (OS) and Thomas Noon, (2d Fire) absent without leave.

Crew at work on rigging, squaring rattles and painting berth deck. Aneroid barometer 29.72. Swung to ebb tide at 11.20. Clear hawse.

Signed. W. M. Irwin. Lieut.

Meridian to 11 P.M. Cloudy and warm. Calm and light variable winds. Heavy rain showers during first two hours. Clear hawse. At end of watch, aneroid barometer 29.91.

Signed. R. O. Bitter. Ensign.

11 to 5 P.M. Pleasant weather. Light airs from S.S.W. Mustered at quarters at 11.45. Received on board in Equipment Department one main deck awning. Swung to the flood at 6. Cross in hawse. Aneroid barometer 29.88.

Signed. W. M. Irwin. Lieut.

5 P.M. to Midnight. Clear and pleasant; calm and light variable airs. lightning first hour. Cross in hawse. Aneroid barometer 29.89.

Signed. R. O. Bitter. Ensign.

Moon and stars examined and found to be correct.

Dec 10° 38' 47" N.  
Phase. Full moon.

W. H. Parker  
Lieut. & Navigator.



Off Stonycutter's Island Hong Kong China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Form of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			Moored N.W.	Calms	0		29.82	83	84	81		bc	circum	6	8	
2			"	S.W.	2		29.82	82	83	80		bc pl	"	3	"	
3			N.W.	N.W.E.	3		29.82	82	80	78		ocult	"	0	"	
4			"	"	2		29.81	81	80	78		ocul	"	0	"	
5			"	N.E.	1		29.80	82	81	79		"	"	0	"	
6			"	Calms	0		29.81	82	81	79		ocul	"	0	"	
7			N.W.	"	0		29.83	82	81	79		bc	circum	3	"	
8			E	"	0		29.85	82	81	79		"	"	3	"	
9			"	"	0		29.85	85	84	82		"	"	2	"	
10			S.E. x E.	S.W.	0-1		29.86	86	85	81		"	"	5	"	
11			S.E.	"	1		29.86	86	84	81		"	"	5	"	
Noon.			"	"	1		29.85	86	84	81		"	"	11	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

100 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

450 "

Coal consumed during the preceding 24 hours

tons 1800 lbs.

Coal remaining on hand at Noon

129 " 2060 "

P. M.																
1			S.E.	S.W.	1		29.85	85	84	81		bc pl	circum	8	11	"
2			N x S.	N x S.	1		29.82	85	84	81		"	"	3	"	
3			"	"	1		29.81	85	84	81		"	circum	3	"	
4			"	"	0-1		29.80	84	84	81		"	"	2	"	
5			N.W.	Var.	0-1		29.80	84	83	80		bc	"	3	"	
6			"	"	1		29.80	84	83	80		"	"	11	"	
7			"	"	1		29.80	84	84	81		"	"	2	"	
8			"	"	1		29.80	84	81	81		"	"	3	"	
9			"	"	1		29.81	84	83	81		bc pl	"	3	"	
10			S.E. x E.	Calms	0		29.81	84	83	81		bc pl	"	5	"	
11			"	E.S.E.	0-1		29.82	85	83	80		bc	circum	7	"	
Mid.			"	Calms	0		29.82	85	83	80		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>o</sup> Carmichael

, U. S. Navy,

Wednesday, August 13, 1884

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Very heavy rain from one o'clock to end of watch. Wind light and variable. Aneroid 29.90.

Signed. Wainwright Kellogg.

Lieut

4 to 8 A.M. Overcast and cloudy with occasional showers first part. Clear hawse. Swung to tide at 4.00. Aneroid barometer 29.90.

Signed. W. M. Irvine.

Lieut

8 A.M. to Meridian. Cloudy and pleasant. Calm and light S.W. airs. At 9.50 mustered at quarters. Geo. Lane, (S.M.M.) A.B. Price 'OS' and John M. Mullin '2d Guro' absent without leave. At 9. loosed sail. By order of Commanding Officer A.C. Martin. (OS) was placed in double irons for five days for sleeping on watch and Chas. Carroll (OS) for seven days for being drunk on duty. Aneroid barometer 29.91. Clear hawse. At 10.30 started fires under two boilers for distilling.

Signed.

A. C. Bitter.

Ensign

Meridian to 4 P.M. Cloudy Warm. Light breeze from S.W. to W by S. At 1. furled sail. Commenced distilling at 1. Aneroid 29.88.

Signed. Wainwright Kellogg.

Lieut

4 to 8 P.M. Cloudy and pleasant. Calm and light variable airs. At 4.45 mustered at quarters. Elbow in hawse at end of watch. Aneroid barometer 29.89.

Signed.

A. C. Bitter.

Ensign.

8 P.M. to Midnight. Cloudy Warm. Light variable airs and calms. Frequent showers of rain from 9 to 11. Distilling. Aneroid 29.90.

Signed. Wainwright Kellogg.

Lieut

Moon limb examined and found to be correct.

Dec 11° 00' 17" N

Phase, Last quarter

W. T. Parker  
Lieut 3 Navigator.



## LOG of the UNITED STATES

Steamer Essex; 3d Rate, 6 Guns,  
Off Stoncutters Island. Hong Kong. China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moored			SE x E.	E.	1		29.82	84	83	80		bc	circum	4	S	
2	"		N.	"	1		29.79	84	83	80		ocrl	circum	0	"	
3	"		NW N.	"	1		29.79	81	82	80		"	"	0	"	
4	"		"	"	0-1		29.79	81	81	79		"	"	0	"	
5	"		"	NE.	1		29.79	80	80	78		ocrl	"	0	"	
6	"		NW N.	"	1		29.80	80	80	78		"	"	0	"	
7	"		"	"	1		29.82	80	80	78		"	"	0	"	
8	"		"	S x W.	1		29.85	80	79	78		"	"	0	"	
9	"		E.	E.	1		29.85	80	79	78		"	"	0	"	
10	"		"	"	1		29.85	80	80	78		"	"	0	"	
11	"		SE.	S	1		29.85	80	80	77		bc	circum	1	"	
Noon.	"		"	"	1		29.85	80	80	77		"	"	1	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

1100 gallons.

Water distilled during the preceding 24 hours

3100 "

Water remaining on hand fit for use at Noon

3200 "

Coal consumed during the preceding 24 hours

2 tons 820 lbs.

Coal remaining on hand at Noon

127 " 1240 "

P. M.																
1	"		SE	NW N.	1		29.84	82	82	79		bc	circum	2	"	
2	"		N.	"	0-1		29.81	84	82	80		"	"	3	"	
3	"		"	SE	1		29.80	86	83	80		"	"	2	"	
4	"		NW.	"	1		29.80	85	83	80		"	"	3	"	
5	"		"	"	1		29.80	85	83	79		"	circum	3	"	
6	"		N x N.	E	1		29.80	84	83	79		bcp	"	11	"	
7	"		"	"	1-2		29.80	83	83	79		"	"	11	"	
8	"		"	N x N.	0-1		29.82	82	82	79		"	"	6	"	
9	"		NE x E.	NE.	1		29.85	82	82	79		bc	"	11	"	
10	"		E.	E	1		29.87	82	80	79		bcp	"	11	"	
11	"		"	"	1		29.87	82	80	79		"	"	11	"	
Mid.	"		E x N.	"	1		29.86	81	80	79		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>o</sup> Connick  
Thursday August 11<sup>th</sup>

, U. S. Navy,

1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Partially clear, bright moonlight first hour, cloudy and rainy, lightning to N<sup>o</sup> remainder of watch. Sight easterly, abrs. Slight fall in barometer. Ship swinging at 1.30. Cross in hawse, starboard chain on top. Distilling. Aneroid 29.88.

Signed. W. G. Hammum. Ensign  
11 to 8. A.M. Overcast and rainy. Sight N.E. and S by W air. Cross in hawse. Aneroid barometer 29.94. John W. Mullink, M<sup>o</sup> returned on board 24 hours overtime.

Signed. R. O. Pitter. Ensign  
8 A.M. to Meridian. Cloudy. Raining first two hours of watch clearing weather last half. Sight variable air and calms at 1.45 stopped distilling and hauled fire. By order of Commanding Officer a reward of ten dollars was paid for the apprehension of Thomas Noon, (D<sup>o</sup> Fire) who was brought on board by a policeman being over his liberty. Aneroid 29.94.

Signed. Wainwright Kellogg. Lieut  
Meridian to 11 P.M. Cloudy. Storm. Sight variable air. Falling barometer. Vessel swinging at 2.30. Clear hawse. At 3. furlled sail. Received in Equipment Department one quarter deck sawing. Aneroid barometer 29.91.

Signed. W. G. Hammum. Ensign.  
11 to 8. P.M. Cloudy. Light passing showers from five to seven. Sight variable air and calms. Aneroid 29.91.

Signed. Wainwright Kellogg. Lieut  
8 P.M. to Midnight. Cloudy. Rainy. Partially clear last hour. Rising barometer. Vessel swinging at 9.30. Clear hawse. Aneroid barometer 29.95.

Signed. W. G. Hammum. Ensign.

Moon lined. Examined and found to be correct.

Dec. 16° 34' 11" N.

Phase. Last quarter.

W. H. Parker  
Lieut & Navigator.



## LOG of the UNITED STATES

*Steamer Essex*, 3d Rate, 6 Guns,  
Off Stoncutters Island, Hong Kong, China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moored			E.	calm	0		29.86	81	81	79		bc	cir cum 8 cum	1	S	
2	"		E N E.	"	0		29.84	82	81	79		"	"	1	"	
3	"		N N W.	"	0		29.84	82	81	79		"	"	5	"	
4	"		"	N E.	0-1		29.84	82	81	79		oc N	cir cum nimbs	0	"	
5	"		"	"	0-1		29.84	83	81	79		"	"	0	"	
6	"		N W. W.	"	0-1		29.85	80	81	79		bc	cir cum stras	5	"	
7	"		N W. W.	Var	0-1		29.85	80	80	79		"	"	4	"	
8	"		"	"	0-1		29.85	80	80	79		bc p	cir cum nimbs	1	"	
9	"		W.	"	0-1		29.87	80	80	79		"	"	1	"	
10	"		"	"	0-1		29.88	81	80	78		"	"	2	"	
11	"		E.	"	0-1		29.89	81	80	78		"	"	1	"	
Noon.	"		E S. E.	"	0-1		29.89	81	80	78		"	"	1	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

100 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2800 "

Coal consumed during the preceding 24 hours

tons 800 lbs.

Coal remaining on hand at Noon

127 " 440 "

P. M.																
1	"		E S E	calm	0		29.85	81	80	78		oc N	cir cum nimbs	0	"	
2	"		"	"	0		29.85	81	80	78		"	"	0	"	
3	"		"	"	0		29.84	81	80	78		oc p	"	0	"	
4	"		N S W.	S S W.	2		29.84	81	80	78		"	"	0	"	
5	"		"	"	2-4		29.84	81	80	78		"	"	0	"	
6	"		S W.	S W.	3-5		29.82	81	80	78		oc g/w	"	0	"	
7	"		"	"	2		29.84	82	80	78		oc N	"	0	"	
8	"		W. N.	"	2		29.86	82	80	78		"	"	0	"	
9	"		"	"	2		29.88	81	81	79		"	"	0	"	
10	"		"	"	2		29.90	81	80	78		oc d	"	0	"	
11	"		S W.	"	1		29.90	81	80	78		"	"	0	"	
Mid.	"		"	"	2		29.90	81	80	78		oc N	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>rs</sup> Cornick  
Friday, August 15

, U. S. Navy,

, 1877.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Weather clear and pleasant until last hour of watch when it began to rain. Calm. Light breeze from S.E. in last hour of watch. Aneroid barometer 29.93.

Signed. Karl Rohrer.

Lieut

4 to 8 A.M. Cloudy. Raining first and last hours of watch. Light variable air and calm. Aneroid 29.96.

Signed. Hamwright Kellogg.

Lieut

8 A.M. to Meridian. Cloudy. Passing showers. Light variable air. Rising barometer. At 9.30 mustered at quarters. George Lane (S.M.M.) and Alfred B. Price (CS) having been absent since the 10<sup>th</sup> inst., are by order of Commanding Officer declared deserters from the ship and naval service from this date. Vessel swung at 10<sup>30</sup>. Cross in hawse. Port chain on top. Aneroid barometer 29.98.

Signed. W. G. Hannum.

Ensign

Meridian to 4 P.M. Weather overcast, cloudy and rainy, clearing up somewhat in latter part of watch. Calm. Light breeze from S.S.W. in last hour of watch. Barometer steady. Clear hawse. Aneroid barometer 29.99.

Signed. Karl Rohrer.

Lieut

4 to 8 P.M. Cloudy. Raining greater part of watch. Light S.S.W. and S.W. breeze with light puffs first part. Rising barometer. Clear hawse. Aneroid barometer 29.96.

Signed. W. G. Hannum.

Ensign

8 P.M. to Midnight. Weather overcast, cloudy and rainy. Light breeze from S.W. Barometer steady. Aneroid barometer 29.98.

Signed. Karl Rohrer.

Lieut

Moon Laid Examined and found to be correct.  
Dec. 18<sup>07</sup> '87" A  
Phase, Last Quarter

J. H. Parker  
Lieut & Navigator.



Off Stonycutter's Island. Hong Kong. China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Mooned			SW	SW	1		29.90	81	80	78		ocp	cum- nimb	0	S	
2	"		E	S	2		29.90	81	80	78		oc	"	0	"	
3	"		"	"	2		29.88	81	80	78		"	"	0	"	
4	"		ESE	"	2		29.88	81	80	78		ocp	"	0	"	
5	"		W.	SW.	2		29.88	81	80	78		"	"	0	"	
6	"		SW.	SSW.	2		29.90	81	80	78		ocv	ci cum cum	0	"	
7	"		"	"	2		29.92	81	80	78		"	"	0	"	
8	"		W+S.	"	2		29.91	81	80	78		"	"	0	"	
9	"		SW+W.	"	2		29.91	80	79	78		"	minib	0	"	
10	"		"	W.	2		29.97	80	79	78		"	"	0	"	
11	"		"	"	2		29.98	80	78	78		"	"	0	"	
Noon.	"		S+E	SW.	3		29.96	80	78	77		"	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

375 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

21125 "

Coal consumed during the preceding 24 hours

1 tons 160 lbs.

Coal remaining on hand at Noon

126 " 280 "

P. M.																
1	"		ESE	SW	1		29.94	79	79	77		ocp	Pi Cum nimb	0	"	
2	"		"	"	1		29.92	79	79	77		"	"	0	"	
3	"		"	"	1		29.91	79	79	77		oc	"	0	"	
4	"		"	"	2		29.90	79	79	77		bc	"	1	"	
5	"		SE.	"	1		29.90	80	79	77		"	"	3	"	
6	"		W+W	Calcu	0		29.90	82	80	78		"	"	2	"	
7	"		"	"	0		29.90	83	80	78		oc	"	0	"	
8	"		"	"	0		29.90	83	80	78		bc	"	11	"	
9	"		"	SW.	2-3		29.91	80	80	78		org	minib	0	"	
10	"		W+W	N.E.	2		29.94	80	80	78		on	"	0	"	
11	"		"	E	1		29.94	80	80	78		"	"	0	"	
Mid.	"		"	"	1		29.94	79	79	77		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>d</sup> Connick  
Saturday, August 16

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Overcast and cool with passing showers first and last hours. Cross in hawse. Stationary barometer, and light breezes from Sd. Aneroid barometer 29.98.

Signed. N. J. S. J. Halpine. Ensign

11 to 8 A.M. Cloudy. Raining greater part of watch. Light S.W. and S.S.W. breeze. Rising barometer. Cleared hawse of an elbow, leaving a cross with port chain on top. Pumped ship out. Aneroid 30.04.

Signed. W. G. Hannum. Ensign

8 A.M. to Meridian. Weather overcast and rainy. Barometer rising. Light to gentle breeze from N to S.S.W. Cross in hawse. Aneroid bar. 30.05.

Signed. Karl Rohrer. Lieut

Meridian to 11 P.M. Overcast and cloudy with passing showers first half of watch. Slowly falling barometer and light breeze from Sd and Wd. Riding to flood with cross in hawse. Aneroid barometer 30.00.

Signed. N. J. S. J. Halpine. Ensign

11 to 8 P.M. Weather pleasant though cloudy. Light airs from S.W. in first part of watch, calm in latter part. Cleared hawse. Aneroid barometer 30.00.

Signed. Karl Rohrer. Lieut

8 P.M. to Midnight. Overcast cloudy and rainy. Rising barometer first hour to light squall from Sd and Wd. At end of watch riding to ebb with cross in hawse. Aneroid barometer 30.02.

Signed. N. J. S. J. Halpine. Ensign

Moon lined  
Dec. 17° 46' 30" N.  
Phase Last quarter

Examined and found to be correct.

N. T. Parker  
Lieut & Navigator



LOG of the UNITED STATES

Steamer "Essex", 3d Rate, 6 Guns,  
Off Stoncutters Island, Hong Kong, China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moored			E	E x N	1		29.92	79	79	77		ocv	cum 8 mins	0	S	
2	"		"	"	2		29.91	79	78	77		"	"	0	"	
3	"		"	"	1		29.90	79	79	77		sc	"	0	"	
4	"		"	"	1		29.90	79	79	77		"	"	0	"	
5	"		"	"	1		29.90	79	79	77		bc	"	2	"	
6	"		N x N.	N E.	1		29.90	80	80	79		bcp	"	3	"	
7	"		"	"	1		29.90	80	80	79		bc	"	3	"	
8	"		N.	"	1		29.91	83	81	79		"	"	11	"	
9	"		"	N.	2		29.93	82	83	79		"	"	1	"	
10	"		N x N.	E.	1		29.93	82	83	79		ocp	"	0	"	
11	"		N E.	calm	0		29.93	80	80	79		"	"	0	"	
Noon.	"		"	"	0		29.93	80	80	79		"	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2075 "

Coal consumed during the preceding 24 hours

tons 800 lbs.

Coal remaining on hand at Noon

125 " 1720 "

P. M.																
1	"		E	calm	0		29.91	81	81	79		bc	cum 8 mins	1	"	
2	"		"	"	0		29.90	83	82	80		"	"	1	"	
3	"		S E x E	S S W.	3		29.90	83	82	80		"	"	1	"	
4	"		"	"	1		29.88	83	82	80		"	"	1	"	
5	"		"	"	1		29.88	83	82	80		"	"	2	"	
6	"		E S E.	S	1		29.88	84	82	80		"	circum cum et al	3	"	
7	"		"	"	1		29.88	84	82	80		"	"	6	"	
8	"		N x N.	S S W	1		29.90	84	82	80		"	"	3	"	
9	"		N.	calm	0		29.90	83	82	79		"	"	6	"	
10	"		"	N.	1		29.90	83	82	79		"	"	7	"	
11	"		N x N.	"	1		29.90	83	82	79		"	"	7	"	
Mid.	"		"	"	2		29.90	83	82	79		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M. Cormick  
Sunday, August 17

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather overcast and wet, Sight, air from E by N. Barometer falling. Aneroid at end of watch 29.98.

Signed.

C. P. Rus.

Lieut

11 to 8 A.M. Weather pleasant, Sight, air from E by N to N.E. Barometer steady. Received on board fresh provisions for the crew. Aneroid barometer 30.01.

Signed.

Karl Rohrer.

Lieut

8 A.M. to Meridian. Generally overcast and threatening with occasional showers. At 9.30 inspected and mustered crew at quarters. Clear hawse, Aneroid barometer 30.02.

Signed N. J. S. Halpine.

Ensign

Meridian to 4 P.M. Weather cloudy and sultry. Sight variable, air and calms. Barometer steady. Aneroid 29.98.

Signed.

C. P. Rus.

Lieut

4 to 8 P.M. Clear and pleasant with stationary barometer and light breezes from S.W. Riding to 10 with clear hawse. Aneroid barometer 30.00.

Signed.

N. J. S. Halpine.

Ensign

8 P.M. to Midnight. Cloudy and pleasant. Sight variable, air and calms. Barometer steady. Aneroid at end of watch 29.88.

Signed.

C. P. Rus.

Lieut

Moon. Mid. Examined and found to be correct.

Dec 17° 46' 30" N.  
Phase. Last quarter

M. H. Parker  
Lieut<sup>4th</sup> Navigator.



Off Stoncutters Island. Hong Kong. China

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moored			WNW	NE	1		29.92	81	82	80		bcp	circum	5	S	
2	"		E	"	2		29.90	81	82	80		bc	"	6	"	
3	"		"	calm	0		29.90	81	82	80		"	"	7	"	
4	"		"	NE	1		29.90	81	81	80		bcp	"	3	"	
5	"		"	"	1		29.88	81	81	80		"	"	5	"	
6	"		NE	"	1		29.90	81	81	79		bc	circum air atlat	11	"	
7	"		"	E	1		29.92	82	81	79		"	"	11	"	
8	"		"	"	1		29.93	84	81	79		bcp	"	2	"	
9	"		WNW	"	1		29.93	82	81	80		"	turn	3	"	
10	"		"	"	1		29.93	84	82	80		"	"	11	"	
11	"		SW	"	1		29.94	84	83	80		"	"	5	"	
Noon.	"		"	"	1		29.94	84	83	80		"	"	5	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1725 "

Coal consumed during the preceding 24 hours

tons 800 lbs.

Coal remaining on hand at Noon

125 " 1920 "

P. M.																
1	"		Obys	S. E	2		29.94	83	84	80		bc	circum	6	"	
2	"		"	"	2		29.94	83	85	79		"	"	6	"	
3	"		"	"	2		29.94	84	85	79		"	"	6	"	
4	"		E	E. S. E.	2		29.94	85	85	80		"	"	6	"	
5	"		"	"	2		29.90	85	85	80		"	"	5	"	
6	"		"	E	1		29.90	85	85	80		"	"	6	"	
7	"		E. N. E.	"	1		29.91	85	85	83		"	"	7	"	
8	"		N.	"	1		29.92	83	83	80		"	"	8	"	
9	"		"	"	2		29.94	83	83	80		"	"	8	"	
10	"		WNW	NE	1		29.96	83	84	81		"	"	8	"	
11	"		"	"	1		29.97	83	84	81		"	"	8	"	
Mid.	"		"	"	1		29.97	84	84	86		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of *Commander A. H. M<sup>r</sup> Conrick*, U. S. Navy,  
*Monday, August 18*, 18*81*.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Partly cloudy; calms to light breeze; heavy passing showers first and last hours of watch. Falling barometer. Aneroid 29.98 at end of watch. Clear hawse.  
Signed. *W. J. Sears.* Ensign.  
11 to 8 A.M. Cloudy but pleasant with light showers last hour. Slowly rising barometer and light airs and calms. Clear hawse. Aneroid barometer 30.01.  
Signed. *N. J. L. Halpin.* Ensign.  
8 A.M. to Meridian. Weather partly cloudy and pleasant, gentle breeze from E. Barometer steady. At 9.15 loosed sail to a bowline. Mustered at quarters at 9.30. By order of Comdg Officer released *R. B. Maults.* OS from confinement. Received in Dept of Steam Engineering 100 brass tube fircules and one iron stopper. Aneroid at end of watch 30.02.  
Signed. *C. P. Russ.* Lieut.  
Meridian to 11 P.M. Clear and pleasant with light breeze from S.E. Falling barometer. At 1.15 shortened sail and spread downings. At 3.15 furled sail. Sent liberty party on shore. Aneroid at end of watch 29.98.  
Signed. *W. J. Sears.* Ensign.  
11 to 8 P.M. Weather clear and pleasant. Light breeze from E. Barometer rising. Aneroid at end of watch 30.00. Elbow in hawse.  
Signed. *C. P. Russ.* Lieut.  
8 P.M. to Midnight. Clear and pleasant with light breeze from E. Barometer rising. Aneroid at end of watch 30.02. Cross in hawse.  
Signed. *W. J. Sears.* Ensign.

Moon lensid Examined and found to be correct.  
Dec 15° 52' 42" N.  
Phase, Last quarter.

*W. H. Porter*  
Lieut & Navigator.



LOG of the UNITED STATES

Steamer "Essex", 3d Rate, 6 Guns,  
Off Stonecutters Island, Hong Kong, China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moored	"		N.	NE	1		29.98	83	83	80		bc	cir cum 8 cum	7	S	
2	"		"	"	1		29.98	83	83	80		"	"	7	"	
3	"		"	"	1		29.98	83	83	80		"	"	6	"	
4	"		E.	"	1		29.97	83	83	80		"	"	6	"	
5	"		"	"	1		29.97	82	82	80		"	"	6	"	
6	"		ENE	Calms	0		29.96	82	82	79		"	"	5	"	
7	"		N x W.	"	0		29.96	82	82	79		"	"	5	"	
8	"		N x W.	NE	2		29.96	82	82	79		"	"	6	"	
9	"		"	"	2		29.96	82	82	79		"	"	5	"	
10	"		W x N.	E	2		30.00	84	83	79		"	"	5	"	
11	"		"	SE	2		30.01	85	83	79		"	"	6	"	
Noon.	"		SE	"	3		30.01	85	83	79		"	"	14	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

375 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1350 "

Coal consumed during the preceding 24 hours

tons 1400 lbs.

Coal remaining on hand at Noon

125 " 1420 "

P. M.																
1	"		ENE	SE	2		30.00	87	85	80		bc	cir cum 6	6	"	
2	"		"	"	2		29.99	87	86	80		"	"	7	"	
3	"		"	ENE	2		29.98	87	86	80		"	"	8	"	
4	"		"	"	2		29.98	87	86	80		"	"	8	"	
5	"		E x S	"	2		29.97	86	86	80		"	"	8	"	
6	"		"	"	2		29.97	86	86	80		"	"	7	"	
7	"		E	E	2		29.97	85	84	80		"	"	7	"	
8	"		NE x E.	"	2		29.97	85	84	80		"	"	7	"	
9	"		W x N.	"	2		29.98	86	85	82		"	"	8	"	
10	"		"	E x N.	2		29.98	86	85	82		"	"	8	"	
11	"		W x N.	E	1		30.00	86	84	82		"	"	7	"	
Mid.	"		"	"	1		30.00	86	84	80		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by at

° ' "



under the command of

Commander A. B. M<sup>o</sup> Cornick  
Tuesday, August 19.

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and pleasant. Light airs from N.E. Aneroid barometer 30.02. Cross in hawse.

Signed.

W. M. Irwin.

Lieut

11 to 8 A.M. Clear and pleasant. Light variable airs and calms. Barometer steady. Aneroid 30.02. Lashed sail at 7.30.

Signed.

C. P. Rus.

Lieut

8 A.M. to Meridian. Clear and pleasant with light to gentle breeze from E. Rising barometer. At 9.30 mustered at quarters and showed out clean hammocks. Painted hammock cloths. By order of Commanding Officer confined J. A. Smith (Sea) in double irons for safe keeping for being drunk and disorderly. Shipped Cook Ah Quon (ad landman) for cruise. At 11.30 shortened sail. Aneroid at end of watch 30.06. Cross in hawse.

Signed.

W. J. Sears.

Ensign

Meridian to 11 P.M. Clear and hot, Gentle breeze from S.E. to E.S.E. At 1<sup>00</sup> furled sail. Sent liberty party ashore. By order of Commanding Officer released Frank A. Smith (Sea) from confinement. Discharged at their own request from the U.S. Naval Service Yon Ah Woon (W. R. Cook) and Seichih Fokui (Sds) crewmen employed in painting boats and hammock cloths. Cross in hawse. Aneroid barometer 30.02.

Signed.

W. M. Irwin.

Lieut

11 to 8 P.M. Clear and pleasant with light breeze from E. Steady barometer. Aneroid 30.00 at end of watch. Cross in hawse.

Signed.

W. J. Sears.

Ensign

8 P.M. to Midnight. Clear and warm. Light breeze from E.S. Barometer steady. Aneroid barometer 30.04.

Signed.

W. M. Irwin.

Lieut

Moon and  
Dec. 13° 02' 06" N  
Phase, Last quarter.  
Examined and found to be correct.

W. S. Park  
Lieut & Navigator.



Off Stonycutter's Island. Hong Kong. China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moored			WNW	Var	0-1		30.00	83	83	80		bc	ci cum	8	S	
2	"		NW+N	"	0-1		29.98	83	83	80		"	"	8	"	
3	"		"	"	0-1		29.96	83	83	79		"	"	8	"	
4	"		ENE	"	0-1		29.96	83	83	79		"	"	9	"	
5	"		ESE	Calms	0		29.96	83	83	79		"	"	8	"	
6	"		"	"	0		29.96	83	83	79		"	"	8	"	
7	"		N+E.	NW	0-1		29.97	83	83	79		"	"	8	"	
8	"		NW+N.	"	1		29.97	83	83	79		"	"	9	"	
9	"		"	NE	0-1		29.98	84	84	80		"	"	8	"	
10	"		WNW	"	1		29.98	85	84	80		"	"	9	"	
11	"		"	NW	1		29.99	85	84	80		"	"	7	"	
Noon.	"		"	"	1		29.99	87	84	80		"	"	7	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1000 "

Coal consumed during the preceding 24 hours

tons 1100 lbs.

Coal remaining on hand at Noon

125 " 120 "

P. M.																
1	"		N	N	1		29.99	86	86	82		bc	ci cum	7	"	
2	"		"	"	1-2		29.99	86	86	83		"	"	7	"	
3	"		NE	"	2-3		29.99	86	86	82		"	"	8	"	
4	"		E+S	"	3		29.99	87	86	84		"	"	9	"	
5	"		ESE	Var.	3		29.98	86	86	84		"	"	9	"	
6	"		"	N	0-1		29.96	86	86	84		"	"	9	"	
7	"		"	"	0-1		29.96	86	86	83		bel	"	9	"	
8	"		"	Calms	0		29.96	86	86	83		"	"	7	"	
9	"		NW+N.	"	0		29.98	84	83	80		belgt	ci cum clouds	3	"	
10	"		WNW	NNE	2-6		29.90	84	83	76		belgt	"	6	"	
11	"		"	"	1		29.90	84	83	76		"	"	6	"	
Mid.	"		"	"	2		29.90	84	83	76		bc	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M. Cornick

, U. S. Navy,

Wednesday, August 20

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant. Calm, and light variable airs. Aneroid barometer 30.53. Gross in hawse.

Signed.

R. O. Bitter

Ensign

4 to 8. A.M. Clear, warm and pleasant, with calms to light airs from N.W. Barometer rising slightly. Aneroid 30.04 at end of watch. Elbow in hawse.

Signed.

W. J. Sears.

Ensign

8 A.M. to Meridian. Clear and hot. Light airs from N.E., hawse to N.W. Mustered and inspected at quarters at 9.30. Exercised signal class. Cleared hawse. By order of Commanding Officer released Chas. Carroll. Dr. M.'s from confinement. Aneroid barometer 30.04. Clear hawse.

Signed.

W. M. Irwin.

Lieut

Meridian to 4 P.M. Clear and pleasant. Light airs to gentle breeze from the West. Aneroid barometer 29.94. Clear hawse.

Signed.

R. O. Bitter.

Ensign

4 to 8. P.M. Clear and warm. Light airs from the West and calms. Mustered at quarters at 4.45. Thunder and lightning to the N.E. latter part of watch. Aneroid barometer 29.94. Clear hawse.

Signed.

W. M. Irwin.

Lieut

8 P.M. to Midnight. Cloudy with passing showers during watch. Thunder and lightning. During first hour had heavy squall from N.E. wind falling light afterwards. Called all hands furled awnings sent down top gallant masts, hoisted smokestack and got in gangway fenders and railings. Barometer fell .08 during squall and rose slightly afterwards. Clear hawse. Aneroid barometer at end of watch 29.86.

Signed.

R. O. Bitter.

Ensign

Moon and Examined and found to be correct.

Dec. 9 28 50 M.

Phase, Last quarter.

W. H. Parker

Lieut and Navigator.



LOG of the UNITED STATES

Steamer "Essex"

3d Rate, 6 Guns,

Off Stoncutters Island. Hong Kong. China.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Lee-way.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moored			NW	N.	1		29.98	83	85	78		bc	cir cum	6	S	
2	"		"	S.W.	1		29.98	86	86	80		"	"	8	"	
3	"		N.	"	1		29.97	86	85	80		"	"	8	"	
4	"		NE x E	E	1		29.95	82	83	78		"	"	6	"	
5	"		"	calm.	0		29.93	83	83	80		"	"	7	"	
6	"		S. S. E.	NW.	1		29.93	83	83	80		"	"	7	"	
7	"		"	Var.	0-1		29.92	83	83	80		"	"	7	"	
8	"		S x W.	"	0-1		29.92	83	84	81		"	"	6	"	
9	"		"	"	1		29.95	83	84	81		"	"	5	"	
10	"		"	"	1-2		29.96	84	85	81		"	"	6	"	
11	"		NW	NW.	1-2		29.96	85	86	81		"	"	7	"	
Noon.	"		"	"	1-2		29.96	85	86	81		"	"	7	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ⊙ ° ' "

Longitude by Chronometer from Forenoon Observations ⊙ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ⊙ observed at ° ' "

Water expended during the preceding 24 hours 100 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 600 "

Coal consumed during the preceding 24 hours tons 800 lbs.

Coal remaining on hand at Noon 124 " 1560 "

P. M.																
1	"		NW	NW	2		29.74	86	86	81		bc	cir cum	7	"	
2	"		NW	"	2-4		29.74	88	87	80		bcg	"	7	"	
3	"		N.	"	2-4		29.74	88	87	80		"	"	5	"	
4	"		NE.	"	2-4		29.73	88	87	80		"	"	5	"	
5	"		ESE	"	2-4		29.72	88	87	80		bc	"	5	"	
6	"		"	NE.	1		29.70	86	88	86		"	"	14	"	
7	"		SE	"	1		29.70	88	87	86		"	"	5	"	
8	"		NE.	N.	1-2		29.69	87	88	85		"	"	5	"	
9	"		E	"	5		29.71	87	88	85		ocl	cum pumts	0	"	
10	"		NW	NE.	5		29.71	84	84	83		bcl	"	3	"	
11	"		"	"	5		29.71	84	84	84		"	"	14	"	
Mid.	"		NW.	"	2		29.71	84	84	84		"	"	5	"	

Longitude by Chronometer from Afternoon Observations ⊙ ° ' "

Longitude by Chronometer from Observations \* ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "



under the command of

Commander A. H. M<sup>r</sup> Conner

, U. S. Navy,

Thursday, August 21

, 1884

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Cloudy. Sight variable, air, and calm. Aneroid 29.94

Signed. Wainwright Kellogg. Lieut  
11 to 8 A.M. Pleasant weather. Sight variable, air. At 7.30 sent up  
top gallant masts and loosed sail. Lieut M<sup>r</sup> Kenzie left the ship on three  
days leave. Aneroid barometer 29.90. Cross in hawse.

Signed. W. M. Irwin. Lieut  
8 A.M. to Meridian. Clear and warm. Sight air to light breeze from NW.  
last two hours. At 9.30 mustered at quarters and had divisional drill at  
revolvers. At 11.30 furled sail. Cross in hawse. Aneroid barometer 29.85.

Signed. A. O. Bitter. Ensign  
Meridian to 11 P.M. Clear and hot. Light breeze from NW. At 2. Cleared  
hawse. Aneroid falling slowly 29.79 at end of watch.

Signed. Wainwright Kellogg. Lieut  
11 to 8 P.M. Cloudy and warm. Light variable wind. At 11.45 mustered  
at quarters. Received on board in Navigation Department 100 galls of tea  
oil. Hoisted in steam launch. Hoisted smokestack. Aneroid bar. 29.76.

Signed. A. O. Bitter. Ensign  
8 P.M. to Midnight. Cloudy. Rainy and squally first two hours of watch.  
Wind from NE. Clearing latter part of watch. Aneroid 29.78. Steady.

Signed. Wainwright Kellogg. Lieut

Moon lensed. Examined and found to be correct.  
Dec. 5° 29' 17" N  
Phase. New moon.

W. M. Irwin  
Lieut & Navigator.



Off Stoncutters Island, Hong Kong, China

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moored			W N W	N E	2		29.71	84	83	83		bc	circum	6	8	
2	"		"	W N W	1		29.69	84	83	83		"	circum	2	"	
3	"		"	"	2		29.69	84	83	83		bcp	"	1	"	
4	"		"	W S	3		29.69	84	83	83		"	"	1	"	
5	"		E.	"	3		29.68	84	84	82		bc	"	3	"	
6	"		"	N W	3-11		29.69	82	82	80		"	circum	3	"	
7	"		E x N.	"	3-11		29.72	83	83	79		"	"	3	"	
8	"		W x N.	W N W	3-11		29.74	84	83	78		"	"	3	"	
9	"		N W.	N W	2		29.74	86	85	80		"	"	5	"	
10	"		"	W N W	2		29.75	87	85	80		"	"	5	"	
11	"		"	"	2		29.76	87	85	80		"	"	12	"	
Noon.	"		"	"	2		29.76	87	85	80		"	"	4	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

1400 gallons.

Water distilled during the preceding 24 hours

800 "

Water remaining on hand fit for use at Noon

1000 "

Coal consumed during the preceding 24 hours

1 tons 760 lbs.

Coal remaining on hand at Noon

128 " 800 "

P. M.																
1	"	W	W S W	2		29.74	87	85	80		bc	circum	5	"		
2	"	S S W	S W	2		29.74	87	85	80		"	"	4	"		
3	"	"	"	2		29.74	87	86	81		"	"	3	"		
4	"	S x E.	S S W	2		29.74	87	86	81		"	"	3	"		
5	"	"	S x W	3		29.73	87	86	81		"	"	2	"		
6	"	"	"	3		29.73	85	85	81		"	"	1	"		
7	"	E S E.	"	1		29.75	85	85	81		"	"	5	"		
8	"	E.	"	1		29.79	85	84	81		"	"	5	"		
9	"	"	calm	0		29.79	85	85	81		bc	"	7	"		
10	"	N W.	"	0		29.81	86	86	81		"	"	8	"		
11	"	"	"	0		29.81	86	86	81		"	"	7	"		
Mid.	"	"	"	0		29.81	86	86	81		"	"	3	"		

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>c</sup> Cormick  
Friday, August 22

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Partly clear first part, overcast remainder of watch. Light N.E. and W.N.W. breeze. Barometer steady. Clear hawse. Aneroid 29.78.

Signed. W. G. Hannum. Ensign

4 to 8 A.M. Cloudy and pleasant. Gentle to moderate breeze from W by S to N.W. Barometer rising. At 7.35 loosed sail. Aneroid barometer 29.79. At 5 started fires for distilling. Commenced distilling.

Signed R. O. Bitter Ensign

8 A.M. to Meridian. Clear and pleasant. Light breeze from N.W. to W.N.W. At 9.30 mustered at quarters: exercised 1<sup>st</sup> and 2<sup>d</sup> divisions at small arms. This Thornton (2<sup>d</sup> Mach.) was given five days in double irons for impudence to Engineer of watch. Aneroid 29.82.

Signed. Wainwright Kellogg. Lieut

Meridian to 4 P.M. Cloudy. Very warm weather. Light S.W. and W.S.W. breezes. Barometer almost steady. Cross in hawse: starboard chain on top. Distilling. At 1.00 furled sail. Aneroid 29.80.

Signed. W. G. Hannum. Ensign

4 to 8 P.M. Clear and warm. Light breeze from S.S.W. and W.S.W. At 11.45 mustered at quarters. Distilling. Aneroid 29.84.

Signed. Wainwright Kellogg. Lieut

8 P.M. to Midnight. Generally clear, very warm weather. Light rise in barometer. Cross in hawse, port chain on top. Aneroid 29.80. Distilling.

Signed. W. G. Hannum. Ensign

Moon. mid Examined and found to be correct.

Dec. 1° 18' 50" N.

Phase, New moon

W. H. Parker  
Lieut. & Navigator.



Off Stonycutter's Island, Hong Kong, China

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			NW	calm	0		29.81	85	85	82		bc	scum	5	S	
2			"	"	0		29.81	85	85	82		"	"	6	"	
3			NW+H	"	0		29.81	85	85	82		"	"	11	"	
4			"	"	0		29.81	85	85	82		bclt	scum	11	"	
5			NE+E	"	0		29.81	85	83	80		"	"	11	"	
6			"	"	0		29.81	85	83	80		"	"	11	"	
7			SE+E	"	0		29.86	83	83	79		bc	"	3	"	
8			ESE	"	0		29.86	83	83	79		"	"	1	"	
9			E	W	0-1		29.90	84	84	82		"	"	1	"	
10			NNW	SW	1		29.90	84	84	82		"	"	2	"	
11			"	WSW	2		29.90	86	86	84		"	"	11	"	
Noon.			W 1/4 N.	"	3		29.90	86	86	84		"	"	11	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

1100 gallons.

Water distilled during the preceding 24 hours

2500 "

Water remaining on hand fit for use at Noon

3100 "

Coal consumed during the preceding 24 hours

2 tons 820 lbs.

Coal remaining on hand at Noon

120 " 2220 "

P. M.																
1			W+S	WSW	3		29.88	86	86	82		bc	scum	11	"	
2			"	"	3-11		29.88	86	86	82		bclt	"	3	"	
3			WSW	SW	3-5		29.87	86	86	82		"	scum	5	"	
4			"	"	3-5		29.87	86	86	82		"	"	5	"	
5			SSW	W+S	3-5		29.87	86	86	82		"	scum	3	"	
6			"	"	2		29.87	86	84	80		"	"	2	"	
7			"	"	1		29.85	85	85	80		bc	scum	5	"	
8			E	Var.	0-1		29.85	85	85	80		"	"	6	"	
9			ESE	S	0-1		29.86	84	84	80		"	"	6	"	
10			NNW	"	0-1		29.87	84	84	80		"	"	7	"	
11			NW	calm	0		29.88	84	84	80		"	"	6	"	
Mid.			"	"	0		29.90	84	83	80		"	"	5	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>o</sup> Cornick  
Saturday, August 23.

, U. S. Navy,

, 1872.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant. Calm. Barometer steady. Distilling water. Clear hawse. Aneroid barometer 29.87.

Signed.

Karl Rohrer.

Sub

4 to 8 A.M. Cloudy. Warm. Calm. Aneroid 29.95. Distilling.

Signed. Wainwright Killogg.

Sub

8 A.M. to Meridian. Cloudy. Warm. Calm first part, gentle S and W breeze remainder of watch. At 9.30 mustered at quarters. By order of Commanding Officer confined Henry Hines (2d) in double irons for five days for insolence to sentry. At 10.00 stopped distilling and hauled fire. Clear hawse. Aneroid 29.95.

Signed. W. G. Hannum.

Ensign

Meridian to 4 P.M. Weather pleasant. Breeze light to fresh squalls from WSW to SW. Barometer falling slowly. Received on board 1100 lbs of sugar for ships use. Aneroid barometer 29.93.

Signed. Karl Rohrer.

Sub

4 to 8 P.M. Cloudy. Warm. Light Wly breeze. Calm and light variable air last hour. Slight fall in barometer. Cross in hawse. port chain on top. Aneroid 29.93.

Signed. W. G. Hannum.

Ensign

8 P.M. to Midnight. Weather clear and pleasant. Light air from S in first part of watch and calm in latter part. Barometer rising slowly. Elbow in hawse. Aneroid barometer 29.94.

Signed.

Karl Rohrer.

Sub

Moon mid Examined and found to be correct.  
Dec 2° 48' 54" S.  
Phase. New moon

M. J. Parker  
Sub-5 Navigator.



Off Stonecutters Island, Hong Kong, China

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moored			NW	Calm	0		29.89	85	85	80		bc	ci	9	S	
2	"		"	"	0		29.89	85	84	80		bc	ci cum 3 cum	6	"	
3	"		"	"	0		29.88	85	84	80		bc	"	5	"	
4	"		N + N.	"	0		29.87	84	83	81		oclt	ci cum cum	0	"	
5	"		NW	NW	2		29.89	80	79	78		"	"	0	"	
6	"		"	"	2		29.89	80	79	78		ocn	"	0	"	
7	"		E	Var	1		29.90	80	79	78		bc	"	3	"	
8	"		SE	"	0-1		29.92	80	79	78		bc	"	3	"	
9	"		SE + E.	Calm	0		29.90	80	80	77		"	ci cum 3 cum	11	"	
10	"		SEW.	SW.	2		29.90	81	81	77		"	"	6	"	
11	"		N + N.	"	2		29.90	82	82	79		"	"	11	"	
Noon.	"		"	"	2		29.90	83	82	79		"	"	3	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

375 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2725 "

Coal consumed during the preceding 24 hours

tons 900 lbs.

Coal remaining on hand at Noon

120 " 1320 "

P. M.																
1	"		N + S	SW	2		29.89	83	84	80		bc	ci cum	3	"	
2	"		"	"	3		29.88	84	83	80		"	"	2	"	
3	"		"	"	3		29.86	84	83	80		"	"	2	"	
4	"		"	"	2		29.85	84	84	81		"	"	3	"	
5	"		NW.	NW.	1		29.84	85	85	80		"	"	3	"	
6	"		E + N.	"	1		29.85	85	83	80		"	ci cum 3 cum	3	"	
7	"		SE.	"	1		29.83	85	84	80		bc	"	5	"	
8	"		"	"	1		29.83	85	84	80		"	"	8	"	
9	"		"	N.	1		29.86	83	84	80		"	ci cum	7	"	
10	"		E.	NSW.	1		29.86	83	83	80		"	"	8	"	
11	"		N + E	"	1		29.88	83	83	81		"	ci cum cum	5	"	
Mid.	"		NW.	"	1		29.88	83	83	81		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. B. M<sup>c</sup> Cormick  
Sunday, August 21<sup>st</sup>

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant first part, clouding over last part of watch. Excessive steady rain last hour. Elbow in hawse. Lightning to S<sup>e</sup> entire watch. Aneroid barometer 29.95.

Signed. N. J. S. F. Halpine. Ensign.

4 to 8 A.M. Cloudy. Rainy first part, heavy thunder showers, clearing last hour. Light N.W. breeze, decreasing to light variable airs. Slight rise in barometer. Cross in hawse, port chain on top. Aneroid barometer 30.00.

Signed. W. G. Hammon. Ensign

8 A.M. to Meridian. Weather clear and pleasant, light breeze from S.W. Barometer steady. Clear hawse. At 8.45. loosed sail. At 9.35. mustered, and inspected crew at quarters. Aneroid barometer 29.99. American mail steamer City of Peking came in, and anchored.

Signed. Karl Rohrer. Lieut

Meridian to 4 P.M. Cloudy and pleasant with slowly falling barometer and light to gentle breezes from Sd and Wd. Riding to ebb tide throughout watch with clear hawse. Aneroid barometer 29.96.

Signed. N. J. S. F. Halpine. Ensign

4 to 8 P.M. Weather clear and pleasant, light airs from N.W. Barometer falling. Clear hawse. Aneroid barometer 29.93.

Signed. Karl Rohrer. Lieut

8 P.M. to Midnight. Fair and pleasant with light variable airs. At 10.15 swung to ebb with clear hawse. Aneroid barometer 29.94. Occasional lightning all round the horizon.

Signed. N. J. S. F. Halpine. Lieut

Moonland. Examined and found to be correct.  
Dec 6° 42' 38" S.  
Phase, New moon.

M. H. Parker  
Lieut. & Navigator.



Off Stoncutters Island. Hong Kong. China

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Mooned			WNW	Calms	0		29.88	84	83	81		bc	circum	8		S
2	"		"	"	0		29.88	84	83	81		"	"	8		"
3	"		"	"	0		29.87	83	83	81		"	"	8		"
4	"		"	"	0		29.86	83	83	81		"	"	7		"
5	"		"	"	0		29.86	83	83	81		"	"	7		"
6	"		ENE	"	0		29.88	84	83	81		"	"	6		"
7	"		E	"	0		29.89	82	83	82		"	"	7		"
8	"		ESE	"	0		29.91	83	83	82		"	"	7		"
9	"		"	"	0		29.91	84	84	81		"	"	7		"
10	"		SW	SxS.	1		29.91	84	84	81		"	"	8		"
11	"		"	"	1		29.92	85	84	81		"	"	8		"
Noon.	"		WNW	SW	1		29.92	85	85	82		"	"	7		"

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

375 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2350 "

Coal consumed during the preceding 24 hours

tons 600 lbs.

Coal remaining on hand at Noon

120 " 720 "

P. M.																	
1	"		W	S. SW	2		29.88	85	85	82		bc	circum	7		"	
2	"		"	"	3		29.86	85	85	82		"	"	7		"	
3	"		"	"	3		29.86	85	85	82		"	"	6		"	
4	"		"	"	3		29.86	85	85	82		"	"	5		"	
5	"		S. SW	S	2		29.86	85	84	82		"	"	5		"	
6	"		S	SW	3		29.85	85	84	82		"	"	11		"	
7	"		E x S	S SW	3		29.85	84	86	82		"	"	5		"	
8	"		"	"	3		29.88	84	83	81		"	"	6		"	
9	"		"	"	1		29.99	84	83	81		"	"	6		"	
10	"		"	Var	0-1		29.90	84	84	81		"	"	7		"	
11	"		"	"	0-1		29.90	84	84	81		"	"	6		"	
Mid.	"		WNW	"	0-1		29.90	84	84	81		"	"	6		"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. McCormick

, U. S. Navy,

Monday, August 25

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather clear and warm. Calm. Barometer steady. Aneroid at end of watch 29.93.

Signed

C. P. Aves.

Lieut

11 to 8. A.M. Clear and pleasant. Calm. Clear hawse. Aneroid 29.97.

Signed

Wainwright Kellogg.

Lieut

8 A.M. to Meridian. Clear and pleasant with light variable breezes and calms. At 9.30 inspected at quarters and exercised divisions as per routine. By order of Commanding Officer the following punishments were inflicted: John Curran (OS) five days in double irons for disrespect to Officers of Deck; Chas. Carter (OS); E. P. Winslow (OS); and J. E. Dealing (OS) four hours extra duty, each, for opening hammocks in wrong place. Swung to ebb with cross in hawse.

Signed

A. J. L. Halpine.

Ensign

Meridian to 11 P.M. Weather clear and warm. Gentle breeze from S. S. W. Barometer steady. Aneroid at end of watch 29.92.

Signed

C. P. Aves.

Lieut

11 to 8. P.M. Fair and pleasant with stationary barometer, and light to gentle breeze from S. and W. At 6.10 finished swinging to flood with clear hawse. Aneroid barometer 29.92.

Signed

A. J. L. Halpine.

Ensign

8 P.M. to Midnight. Weather clear and pleasant. Light variable winds and calms. Barometer steady. Aneroid 29.95

Signed

C. P. Aves.

Lieut

Moon L. mid Examined and found to be correct.

Dec 10° 13' 16" S.

Phase, New moon.

W. J. Parkman  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
			Moored	WNW	Calms	0	29.90	84	83	81		bc	qum	5	S	
2	"	"	"	S. W	0-1		29.90	84	83	81		bcl	"	7	"	
3	"	"	"	"	1		29.90	84	83	81		"	"	8	"	
4	"	"	"	"	1		29.90	84	83	81		bc	"	9	"	
5	"	"	"	"	1		29.90	83	83	82		"	"	8	"	
6	"	"	NW + N.	Calms	0		29.94	83	83	82		"	"	6	"	
7	"	"	ENE.	"	0		29.93	83	84	82		"	"	7	"	
8	"	"	E	"	0		29.96	85	85	82		"	"	6	"	
9	"	"	SE + E	"	0		29.95	85	85	82		"	"	6	"	
10	"	"	"	W	1		29.96	86	85	82		"	"	5	"	
11	"	"	"	"	1		29.99	86	85	82		"	"	6	"	
Noon.	"	"	NW.	"	1		29.99	86	85	82		"	"	6	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

1100 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1950 "

Coal consumed during the preceding 24 hours

tons 1100 lbs.

Coal remaining on hand at Noon

120 " 320 "

P. M.																
1	"	WNW	Var	0-1	29.93	86	85	82		bc	qum	6	"			
2	"	"	"	0-1	29.92	86	85	82		"	"	7	"			
3	"	"	SW	1-2	29.91	86	85	82		"	"	5	"			
4	"	"	"	1-2	29.91	86	85	82		"	"	6	"			
5	"	W + S	"	1	29.90	85	85	82		"	"	11	"			
6	"	SW	S.	1	29.90	85	85	82		"	qum	11	"			
7	"	ESE	"	1	29.90	85	85	81		"	"	5	"			
8	"	"	"	1	29.91	85	85	81		"	"	5	"			
9	"	"	"	1	29.92	85	85	82		"	qum	9	"			
10	"	"	SE.	2-3	29.93	85	85	82		bcl	qum	5	"			
11	"	ENE.	NE	2-3	29.94	84	85	82		"	"	3	"			
Mid.	"	"	"	1-2	29.94	84	85	82		"	"	3	"			

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>c</sup> Cormick

, U. S. Navy,

Tuesday, August 26

, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and pleasant. Calm and light S.W. airs. Cross in hawse. Aneroid barometer 29.95.

Signed.

R. O. Butler

Ensign

11 to 8 A.M. Clear and pleasant with light airs and calms. Clear hawse. Aneroid 29.97.

Signed.

A. J. L. T. Halpine.

Ensign

8 A.M. to Meridian. Weather clear and warm. Light airs from W. Barometer steady. Mustered at quarters at 9.30. By order of Commanding Officer, Julius Hartman (Os) was given four hours extra duty for improper conduct. Aneroid 30.00.

Signed

C. P. Ains.

Lieut

Meridian to 1 P.M. Clear and pleasant. Calm and light variable airs first two hours, then light wind from S.W. Barometer falling. Cross in hawse. Aneroid barometer 29.94.

Signed.

R. O. Butler.

Ensign

1 to 8 P.M. Weather clear and warm. Light airs from S.W. Barometer steady. Aneroid 29.97.

Signed.

C. P. Ains.

Lieut

8 P.M. to Midnight. Cloudy with heavy rain during watch. Wind variable in force and direction. Secured lighter with repaired sails at port boom for the night. Aneroid barometer 29.99.

Signed.

R. O. Butler.

Ensign

Moonland Examined and found to be correct.

Dec 13° 13' 29" S.

Phase, New moon

W. H. Parker  
Lieut & Navigator.



Off Stonecutters Island. Hong Kong. China

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
			Moored ENE	NE	1		29.92	83	81	80		bc	Pir cum	3	S	
2	"		"	"	1		29.92	83	82	81		"	"	2	"	
3	"		NWxN	NW	1		29.92	83	82	81		"	"	2	"	
4	"		"	"	1		29.92	82	81	80		"	"	3	"	
5	"		NxN	N	2-5		29.92	82	81	80		ocrg	"	0	"	
6	"		NxN	"	2		29.94	78	78	76		ocv	"	0	"	
7	"		E	"	1		29.96	78	78	76		"	"	0	"	
8	"		E x N	NE	1		29.98	79	78	76		bcv	"	1	"	
9	"		E x S	E	1		29.98	80	79	77		"	Pir cum	2	"	
10	"		"	"	1		29.99	82	80	78		"	"	2	"	
11	"		"	"	1		30.00	82	81	80		bc	"	3	"	
Noon.	"		N.	SSW	1-3		30.00	82	81	80		ocv	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1600 "

Coal consumed during the preceding 24 hours

tons 1000 lbs.

Coal remaining on hand at Noon

119 " 1560 "

P. M.																
1	"		N.	calm	0		29.99	84	82	81		bc	Pir cum	5	"	
2	"		NWxN	NW	1		29.98	84	82	81		"	"	5	"	
3	"		"	S.W.	1		29.96	85	83	81		"	"	5	"	
4	"		"	"	1		29.94	85	83	81		"	"	3	"	
5	"		"	"	0-1		29.94	84	82	80		"	Pir cum	2	"	
6	"		NWxN	NE	1		29.94	83	82	80		"	"	3	"	
7	"		"	"	1		29.94	83	82	81		bcv	"	2	"	
8	"		"	"	1		29.96	83	83	81		bc	"	2	"	
9	"		ESE	calm	0		29.98	83	83	82		ocv	"	0	"	
10	"		"	"	0		29.98	83	83	82		"	"	0	"	
11	"		ENE	E	2		30.00	83	83	82		bc	"	1	"	
Mid.	"		"	"	2		30.00	83	82	81		ocv	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>o</sup> Conrick  
Wednesday, August 27

, U. S. Navy,

, 1882

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Mostly cloudy with occasional showers. Light airs from N.E. hauling to N.W. Aneroid barometer 30.00. Clear hawse.

Signed. W. M. Irwin.

Sicut

11 to 8 A.M. Weather overcast with frequent showers of rain. Barometer rising. Light airs from N.E. hauling to N.W. Aneroid barometer at end of watch 30.00.

Signed. C. P. Rice.

Sicut

8 A.M. to Meridian. Cloudy and rainy during greater part of watch. Light airs from East hauling to S.S.W. last half and increasing in force to gentle breeze. Received on board three old sails which had been sent on shore for repairs; also one new sail, seven wind sails and one sail plan. At 10.55 loosed sail to a bowline; furlled again at 11.40. By order of Commanding Officer, John Flaherty '1st' was given six days extra duty for insolence and disobedience of orders and Robert G. M. Farland (Os) was given ten days in double irons for disobedience of orders of Conserdin of boat. At 1.30 Alert went up the river bound for Canton. Aneroid barometer 30.00.

Signed.

C. O. Bitter. Ensign.

Meridian to 11 P.M. Partly cloudy. Calm first hour, light airs from N.W. to S.W. remainder of watch. Aneroid bar. 30.02. Clear hawse.

Signed. W. M. Irwin.

Sicut

11 to 8 P.M. Cloudy and pleasant, calm and light variable airs. At 11.45 mustered at quarters. Frank Matsumura was enlisted as landsman for cruise. Clear hawse. Aneroid barometer 30.14.

Signed.

C. O. Bitter. Ensign.

8 P.M. to Midnight. Cloudy, overcast and rainy greater part of watch. Calm first part, light breeze from East latter part. Clear hawse. Aneroid barometer 30.06.

Signed. W. M. Irwin.

Sicut

Moonland  
Dec 15° 37' 20" S  
Phase. New moon.

Examined and found to be correct.

W. H. Parker  
Sicut & Navigator.



Off Stonycutter's Island, Hong Kong, China

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moved			ENE	calm	0		29.98	83	82	81		bch	cum. ci. cum. stratus	2	S	
2	"		"	SE	1		29.97	83	82	81		bc	"	1	"	
3	"		"	"	1		29.96	83	82	81		ocp	"	1	"	
4	"		"	"	1		29.96	83	82	81		bc	"	3	"	
5	"		"	"	1		29.96	83	82	81		"	"	1	"	
6	"		WNW	"	1		29.97	82	82	81		bch pg	"	2	"	
7	"		"	SW	2		29.99	82	82	81		bc	"	2	"	
8	"		ENE	"	1		30.00	82	82	82		"	"	2	"	
9	"		"	S	1		30.01	82	82	82		"	"	3	"	
10	"		E	"	1		30.01	82	82	82		oc	"	1	"	
11	"		"	NE	1		30.03	82	82	81		oc N	"	0	"	
Noon.	"		"	calm	0		30.03	82	82	82		"	"	0	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ° ' "

Longitude by Chronometer from Forenoon Observations ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ° observed at Sunrise ° ' "

Variation of the Compass by Azimuth ° observed at ° ' "

Water expended during the preceding 24 hours 1100 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 1200 "

Coal consumed during the preceding 24 hours tons 2200 lbs.

Coal remaining on hand at Noon 178 " 1600 "

P. M.																
1	"		SE	SW	3		30.00	81	80	80		oc r	ci cum. stratus	0	"	
2	"		"	NE	2		30.00	81	80	80		oc	"	0	"	
3	"		"	"	2		29.99	81	80	80		"	"	0	"	
4	"		SW	SW	1		29.99	81	80	80		bc	"	1	"	
5	"		"	"	1		29.98	81	80	79		"	"	1	"	
6	"		"	Var.	0-1		29.99	81	80	80		"	"	2	"	
7	"		"	"	0-1		30.00	82	80	80		"	"	3	"	
8	"		SE	"	0-1		29.98	82	82	81		"	"	6	"	
9	"		"	"	0-1		29.99	82	82	81		"	ci cum.	7	"	
10	"		E	"	1		30.00	82	80	80		"	"	7	"	
11	"		ENE	SE	1		30.00	81	81	80		"	"	6	"	
Mid.	"		"	"	1		30.00	81	80	79		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ° ' "

Longitude by Chronometer from Observations \* ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "



under the command of

Commander A. H. M<sup>rs</sup> Conrick

, U. S. Navy,

Thursday, August 28

, 1871.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Cloudy with passing showers. Light breeze from S.E. Falling barometer. Aneroid 30.02 at end of watch. Clear hawse.

Signed. W. J. Sears.

Ensign.

11 to 8 A.M. Cloudy with passing rain squalls second hour of watch. Light airs from S.E. to S.W. Barometer rising. Cross in hawse. Aneroid barometer 30.07.

Signed. A. O. Putter.

Ensign.

8 A.M. to Meridian. Overcast and cloudy with heavy rain latter part. Light airs from S to N.E. and calms. Went to quarters at 9.30. By order of Commanding Officer placed Henry Marshall, (L.M.D.) in double irons for five days for improper singing out aloft; also released Henry Ames from confinement. Received in Equipment Department 1/2 cord of wood. Aneroid barometer 30.10. Cross in hawse. Started fires for distilling.

Signed. W. M. Irwin.

Lieut.

Meridian to 11 P.M. Overcast with passing showers. Light breeze, variable in direction. Barometer nearly steady. Aneroid 30.06 at end of watch. At 2.05 commenced distilling. Served out monthly money. Cross in hawse.

Signed. W. J. Sears.

Ensign.

11 to 8 P.M. Partly cloudy. Light variable airs. At 11 got up and bent flying jib, foretopmast stay sail and main trysail. Received in Paymaster's Department 1100 lbs of candles, and 33 1/3 dozen pickles. Aneroid barometer 30.00. Turn in the hawse.

Signed. W. M. Irwin.

Lieut.

8 P.M. to Midnight. Partly cloudy but pleasant weather with light airs from S.E. Rising barometer. Aneroid 30.08 at end of watch. Turn in the hawse. Distilling.

Signed. W. J. Sears.

Ensign.

Moon Laid Examined and found to be correct.

Dec 17° 19' 54" S  
Phase. First Cr

W. H. Parson  
Lieut & Navigator.



## Off Stonycutters Island, Hong Kong, China

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Moved			E x N	SE	1		30.00	80	78	78		bc	Scum	2	S	
2	"		"	"	1		30.00	80	78	78		"	"	11	"	
3	"		N.	NE	1		30.00	80	78	78		bcp	"	11	"	
4	"		"	"	1		30.00	81	80	80		ocp.	Cum, Scum	0	"	
5	"		"	"	1		30.01	82	80	80		"	"	0	"	
6	"		NW.	calm	0		30.03	84	83	82		bc	"	1	"	
7	"		NW x N.	"	0		30.05	84	83	82		"	"	1	"	
8	"		N.	"	0		30.05	84	83	82		"	"	2	"	
9	"		"	"	0		30.05	84	83	82		"	"	3	"	
10	"		E x N.	NW	1		30.06	80	80	80		"	Scum	3	"	
11	"		"	"	1		30.06	80	80	80		bcp.	Scum	2	"	
Noon.	"		E x S.	Var	0-1		30.06	80	80	80		"	"	2	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

1100 gallons.

Water distilled during the preceding 24 hours

2300 "

Water remaining on hand fit for use at Noon

3100 "

Coal consumed during the preceding 24 hours

1 tons 1960 lbs.

Coal remaining on hand at Noon

198 " 1880 "

P. M.																
1	"		E	calm	0		30.00	81	81	80		bc	Scum	2	"	
Anchored			"	SW.	1		30.00	82	82	80		"	"	5	"	
3	"		"	"	2		30.00	83	82	81		bcp	"	11	"	
4	"		NNE	"	1		30.00	83	82	81		bc	"	6	"	
5	"		N	"	1		29.99	83	83	82		"	"	5	"	
6	"		NNW.	calm	0		29.99	83	83	82		"	"	11	"	
7	"		NNE	"	0		29.99	83	84	82		"	"	3	"	
8	"		N x N.	"	0		29.99	83	83	82		"	"	3	"	
9	"		"	"	0		29.99	84	84	84		"	"	7	"	
10	"		N x N.	"	0		30.00	84	83	83		"	"	6	"	
11	"		"	"	0		30.01	84	83	83		"	"	5	"	
Mid.	"		"	"	0		30.01	84	83	83		"	"	5	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>c</sup> Cormick  
Friday, August 29.

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Cloudy. Heavy showers of rain last two hours of watch. Aneroid 30.16. Distilling.

Signed. Wainwright Kellogg. Lieut  
11 to 8 A.M. Clear and calm. Cleared hawse, bent sheet chain, and  
restowed anchor and chain. Made preparations for coaling ship, and  
at 7.00 a lighter came alongside, commenced coaling. At 7.30 loosed  
sail to a bowline. Clear hawse. Aneroid barometer 30.12.

Signed. W. M. Irwin. Lieut  
8 A.M. to Meridian. Cloudy with passing showers last half of watch.  
Steady barometer. Calms to light variable airs. Aneroid 30.13 at end of  
watch. At 9.30 furled sail. Engaged in coaling ship. Clear hawse.  
Chun Ah Ki. (W. A. S.) and Sateksi Owerchida. (Sds) absent from the  
ship, without leave, are by order of Commanding Officer declared  
deserters from the Naval Service from date.

Signed. W. J. Sears. Ensign  
Meridian to 11 P.M. Cloudy, greater part of watch. Light airs from  
S.W. and calms. At 1. called all hands and hove up port anchor, and  
shortened in to 30 fathoms on starboard chain. Finished coaling at 1.30.  
Received on board 75 tons, 15 below and 60 on deck, and 55 coal bags.  
At 2. exchanged distinguishing pennants with U.S.S. Palos. from  
Canton. Palos made signal 1611. Answered 901. Aneroid 30.07.

Signed. Wainwright Kellogg. Lieut  
11 to 8 P.M. Cloudy but warm and pleasant. Calms to light airs.  
Steady barometer. Aneroid 30.07 at end of watch. Hoisted in Steam  
Cutter, rigged in boats, and lower booms put on mast and yard  
covers, and getting ready for sea. By order of Commanding Officer  
confining James Williams. (Jof 2.) for safe keeping while under the  
influence of intoxicating liquors.

Signed. W. J. Sears. Ensign  
8 P.M. to Midnight. Clear and hot, calm. Aneroid 30.07. Moonlight.  
Signed. Wainwright Kellogg. Lieut

Moon Laid  
Dec 18° 17' 11" S.  
Phase First Cr.  
Examined and found to be correct.

W. H. Parker  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Anchored			E & S.	S. W.	2		30.00	82	81	81		bc	air cum nimis	11	S	
2	"		E & N.	"	1		30.00	82	81	81		"	"	6	"	
3	"		NW	"	1		30.00	82	81	81		bc	"	6	"	
4	"		N & N.	NW	1		30.00	82	81	81		"	"	6	"	
5	"		"	"	1		30.00	82	81	81		"	"	11	"	
Standing out				W	1		30.00	82	81	80		bc	"	5	"	
7				S. W.	1		30.00	81	80	80		bcp	"	1	"	
Hong Kong Harbor				"	3		30.00	83	83	82		bc	"	7	"	
9	5	8	SW & S	"	3		30.02	84	83	83	84	"	"	3	"	
10	7	6	"	SSW	11		30.02	84	83	83	84	bcp	"	2	"	Set all fore and aft sail
11	8	2	"	SW	3		30.01	84	82	82	85	bc	"	3	"	except spanker
Noon.	8	14	"	"	2		30.00	85	83	81	85	bcp	"	14	"	Took in fore and aft sail

Distance run by Log since preceding Noon

29 knots 2 fathoms.

Latitude by D. R. at Noon

21 ° 35' 00" N

Longitude by D. R. at Noon

113 ° 43' 30" E.

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2700 "

Coal consumed during the preceding 24 hours

5 tons 2148 lbs.

Coal remaining on hand at Noon

192 " 1972 "

P. M.																	
1	9	0	SW & S	SW	2	29.99	85	84	84	85	bc	air cum		3	"		
2	8	5	"	SW & S.	3	29.98	85	86	84	88	"	"		3	"		
3	8	0	"	"	3	29.96	86	86	80	88	"	air cum		11	"		
4	8	0	"	"	3	29.94	87	86	80	87	"	air cum		5	"		
5	8	0	"	S.	3	29.91	85	84	83	87	"	air cum		6	"		
6	8	0	"	"	3	29.91	85	84	83	87	"	air cum		7	"		
7	8	0	"	"	3	29.94	85	84	80	87	"	"		8	"		
8	8	0	"	"	3	29.94	85	84	80	87	"	"		7	"		
9	8	6	"	S & W.	3	29.94	85	83	79	87	bcp	"		7	"		
10	8	2	"	"	3	29.95	86	84	81	87	bc	"		8	"		
11	8	11	"	"	3	29.96	86	84	81	87	"	"		8	"		
Mid.	8	0	"	"	3	29.96	86	84	81	87	"	"		6	"		

Longitude by Chronometer from Afternoon Observations ☉

113 ° 48' 00" E.

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by az 0 at 11 fms.

1 ° 00' 00" E



under the command of

Commander A. S. H. Cornick  
Saturday, August 30.

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Partly cloudy. Warm and pleasant. Light S.W. winds shifting to N.W. last hour. Barometer steady. At 2.15 started fires under six boilers. Aneroid 30.05.

Signed. W. G. Harman. Ensign  
4 to 8 A.M. Partly cloudy with passing showers. Steady barometer. Aneroid 30.08 at end of watch. At 5.25 called "all hands up anchor" got underway and steamed out of harbor, conined by commanding Officer. Average steam pressure 52. Average revolutions 47. By order of Commanding Officer released James Williams. (Jofth) from confinement.

Signed. W. J. Sears. Ensign  
8 A.M. to Meridian. Cloudy. Warm. Light variable breezes from S.W. and W. Smooth sea. At 6.30 mustered at quarters. At 8.31 took departure. South end of Samoan Group bearing N.W. by W. distant 1 mile. Course S.W. by S. Speed  $7\frac{3}{4}$  knots. Ships draft, forward 14' 6" aft 16' 6". Put over the patent log; at end of watch it showed 31.4 miles. Av. steam 51 lbs. Revs 49. Aneroid 30.06. By order of Commanding Officer released John Curran. (Os.) from confinement.

Signed. Wainwright Kellogg. Sub-  
Meridian to 4 P.M. Clear and pleasant. Light to gentle breeze from S.W. to S. W. by S. Barometer falling. Under steam: pressure 50 lbs and making 48 revolutions. Patent log indicating 66 knots at end of watch. Lost sight of land on starboard quarter about 3. Aneroid barometer 29.94.

Signed. Karl Rohrer. Sub-  
4 to 6 P.M. Weather clear and pleasant. Gentle breeze from S.W. Barometer steady. Mustered at quarters at 4.45. Steering a course, S.W. by S. Steam 50. Revs 49. Aneroid 29.99.

Signed. W. P. Rus. Sub-  
6 to 8 P.M. Pleasant weather. Gentle breeze from S.W. Smooth sea. Aneroid barometer 30.02. Steam 48 lbs. Revs 46. Patent log 99.

Signed. W. M. Inuit. Sub-  
8 P.M. to Midnight. Clear and pleasant. Light breeze from S.W. Smooth sea. Moonlight. Steam 45 lbs. Revs 47. Pat log 31. Aneroid 30.04.

Signed. Wainwright Kellogg. Sub-

Moon Laid  
Dec 18° 26' 08" S.  
Phase, First Cr  
Examined and found to be correct.

W. A. Parker  
Sub-8 Navigator.



LOG of the UNITED STATES

Steamer "Essex", 3d Rate, 6 Guns,  
Making passage from Hong Kong to Singapore

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
<i>n</i> 20°00'	1	7 5	<i>SW 1/4 S.</i>	<i>SW x S.</i>	3		29.96	85	85	80	87	<i>bc</i>	<i>Air Cum. 3 Cum.</i>	7	<i>S</i>	
<i>n</i> 112°45'	2	7 5	"	"	3		29.96	85	84	79	87	"	"	8	"	
	3	7 0	"	"	3		29.94	85	84	79	87	"	"	9	"	
	4	8 0	"	"	3		29.92	85	84	80	86	"	"	9	"	
	5	7 6	"	<i>S. S. W.</i>	3		29.92	85	82	79	82	"	"	8	"	
	6	7 6	"	"	3		29.92	85	82	79	82	"	"	6	"	
<i>n</i> 19°25'	7	7 6	"	"	3		29.92	84	82	79	82	"	"	5	"	
<i>n</i> 112°11'	8	7 6	"	<i>S</i>	3		29.95	84	82	79	82	"	"	5	"	
	9	2 0	<i>SW 1/4 S.</i>	"	3		29.98	85	84	81	86	<i>bc</i>	"	2	"	
	10	7 2	"	"	3		29.98	85	84	82	85	<i>bc</i>	<i>Air Cum. 3 Cum.</i>	3	"	
	11	7 2	"	<i>S x W</i>	11		29.97	86	85	82	82	<i>bc</i>	<i>Air Cum. 11</i>	11	"	
Noon.		7 4	"	"	11		29.96	88	88	82	86	"	"	5	"	

Distance run by Log since preceding Noon

188 knots *3 tenths* fathoms.

Latitude by D. R. at Noon

18° 57' 21" N

Longitude by D. R. at Noon

111° 46' 30" E

Latitude by Observations at Noon ☉

19° 05' 00" N

Longitude by Chronometer from Forenoon Observations ☉

111° 49' 45" E

Current during the time *3.8* knots *fine* per hour, setting to the

N 21° E.

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

*S. O. M.*

1° 00' 00" E

Water expended during the preceding 24 hours

400 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2300 "

Coal consumed during the preceding 24 hours

14 tons 1576 lbs.

Coal remaining on hand at Noon

178 " 396 "

P. M.																
1	7 0	SW 1/4 S	S x W	11	29.95	84	84	82	84	bc	Air Cum Cum 15	7	"	Set jib		
2	7 2	"	"	11	29.94	84	86	81	84	"	"	6	"	Look in jib		
3	7 4	"	"	11	29.93	84	86	81	84	"	Air Cum Cum	5	"			
4	7 4	"	"	11	29.91	86	86	81	84	"	"	5	"			
5	7 5	"	"	11	29.91	86	86	81	84	"	"	5	"			
6	7 5	"	"	11	29.92	85	85	80	86	"	"	7	"			
7	7 4	"	"	11	29.90	85	84	80	86	"	"	7	"			
8	7 6	"	S	11	29.90	85	84	80	86	"	Air Cum	6	"	Set fore and aft sail		
9	7 8	"	"	11	29.90	85	83	80	86	"	"	6	"			
10	7 8	"	"	11	29.94	85	84	80	84	"	"	7	"	Look in fore and aft sail		
11	7 6	"	"	11	29.97	84	84	80	84	"	"	7	"			
Mid.	8 0	"	"	11	29.96	84	84	80	84	"	"	7	"			

Longitude by Chronometer from Afternoon Observations ☉

111° 51' 00" E.

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

*az 0*at *4 P.M.*

1° 30' 00" E.



under the command of

Commander A. H. M<sup>o</sup> Conner  
Sunday, August 31

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Weather clear and pleasant, Gentle breeze from S W by S. Barometer falling. Under steam, making 43 revolutions with a pressure of 45 lbs. Aneroid barometer 30.00

Signed. Karl Rohrer.

Lieut

11 to 8 A.M. Weather clear and pleasant, Gentle breeze from S and W. Barometer steady. Steam pressure 50. Revs 47. Aneroid barometer 30.00.

Signed. C. P. Rees.

Lieut

8 A.M. to Meridian. Pleasant weather. Light passing showers first part. Gentle breeze from South hauling to S by W. At 8<sup>45</sup> changed course to S W 1/4 S. Patent log reading 48. Set fore and aft sail except main trysail; took it in at 10.15. The wind hauling ahead. Steaming under six boilers. Aneroid barometer 30.00. Patent log at end of watch 24.

Signed. W. M. Irwin.

Lieut

Meridian to 11 P.M. Clear and warm. Light to moderate breeze from S by W. Smooth sea. Aneroid 29.97. Steam 45 lbs. Revs. 46. Patent log 54.

Signed. Wainwright Kellogg.

Lieut

11 to 6 P.M. Clear and pleasant weather. Moderate breeze from S. S. W. Barometer steady. Under steam, making 46 revolutions and with a pressure of 47 lbs. Patent log at end of watch 69.8. Aneroid barometer 29.96.

Signed. Karl Rohrer.

Lieut

6 to 8 P.M. Weather clear and pleasant, Gentle breeze from S by W. Barometer steady. Set all fore and aft sail at 7.45. Steam 48 lbs. Revs 46. Patent log 86. Aneroid 30.00.

Signed. C. P. Rees.

Lieut

8 P.M. to Midnight. Clear and pleasant, bright moonlight, Moderate breeze from South. At 9.00 took in main trysail. Aneroid barometer 30.04. Steam 46 lbs. Revs 45.5. Patent log 18.

Signed. W. M. Irwin.

Lieut

Moontened  
Dec 17° 44' 36" S  
Phase. First Dr

Examined and found to be correct.

W. H. Parker  
Lieut & Navigator.



Making passage from Hong Kong to Singapore

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8 0		SW 1/4 S	S	3		29.95	85	84	80	84	bc	Pis cum 3 cum	7		Set fore and aft sail
2	8 0		"	"	3		29.94	85	84	80	84	"	"	8		except on main try sail
3	8 0		"	"	3		29.93	85	84	80	84	"	"	7		Set main try sail
4	7 8		"	"	3		29.92	85	84	80	84	"	"	8		Look in main try sail
5	7 5		"	SW	3		29.94	85	84	80	84	"	"	6		
6	7 5		"	"	3		29.97	85	84	79	84	bc	Pis cum cum. stral	6		
7	7 5		"	SSW	3		29.98	85	84	79	84	"	"	8		
8	7 5		"	"	2		29.98	85	84	79	84	"	"	8		Look in fore and aft sail
9	7 0		S x 1/4 W	S x W	2		29.98	87	86	80	86	"	Pis cum	7		
10	7 8		S x W	"	2		29.98	87	86	80	86	"	"	7		
11	7 2		"	"	2		29.98	88	87	81	86	"	"	7		
Noon.	7 2		"	S	2		29.98	88	87	81	86	"	"	7		

Distance run by Log since preceding Noon

182 knots 2 <sup>fms</sup> fathoms.

Latitude by D. R. at Noon

16° 37' 46" N

Longitude by D. R. at Noon

109° 33' 00" E

Latitude by Observations at Noon ☉

16° 42' 00" N

Longitude by Chronometer from Forenoon Observations ☉

109° 44' 00" E

Current during the time .11 knots — fms. per hour, setting to the

N 66° W

Variation of the Compass by Amplitude ☉ observed at Sunrise

"

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

2° 00' 00" E

Water expended during the preceding 24 hours

1400 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1900 "

Coal consumed during the preceding 24 hours

15 tons lbs.

Coal remaining on hand at Noon

163 " 396 "

P. M.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	4 11		S x W	SSE	2		29.94	88	87	81	88	bc	Pis cum	7		
2	7 0		"	"	2		29.94	88	87	81	88	"	"	8		
3	7 6		"	"	3		29.90	88	87	80	88	"	"	7		
4	7 6		"	"	3		29.90	88	87	81	88	"	"	7		
5	8 4		"	E	3		29.92	88	87	80	80	"	Pis cum stral	8		Set fore and aft sail
6	8 2		"	"	2		29.94	87	86	80	80	"	"	7		
7	7 5		"	SE x S	2		29.96	87	86	81	80	bc	Pis cum 3 cum	8		
8	8 0		"	S x E	2		29.97	87	86	81	80	"	"	6		Look in fore and aft sail
9	8 0		"	"	2		29.99	86	85	85	86	"	"	6		
10	8 0		S	S	2		29.99	86	85	85	86	"	"	7		
11	8 0		"	"	2		29.99	86	85	80	86	"	"	7		
Mid.	8 2		"	SW	3		29.98	85	85	81	86	"	Pis cum cum	5		Set fore and aft sail

Longitude by Chronometer from Afternoon Observations ☉

109° 43' 00" E

Longitude by Chronometer from Observations

\*

"

Variation of the Compass by Amplitude observed at Sunset

"

Variation of the Compass by

at

"



under the command of

Commander A. H. M<sup>o</sup> Cornick

, U. S. Navy,

Monday, September 1st, 1881

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and pleasant. Moderate breeze from South. Smooth sea. Steaming under six boilers. Aneroid 30.02. Patent log 50.

Signed. Hamwright Kellogg.

Lieut

11 to 8. A.M. Weather clear and pleasant. Light to gentle breeze from S by W to S S W. Under steam, making 44 revolutions under 45 lbs pressure. Patent log at end of watch 80 knots. Took in fore and aft sail at 7.55. Aneroid barometer 30.03.

Signed.

Karl Rohrer.

Lieut

8 A.M. to Meridian. Weather clear and hot. Light airs from S by W. Barometer steady. At 8.15 changed course to S by W  $\frac{1}{2}$  W. and at 9<sup>00</sup> to S by W. Mustered at quarters at 9.30. Aneroid at end of watch 30.01. Steam 43. Revs 44. Patent log 13.

Signed.

C. P. Reis.

Lieut

Meridian to 11 P.M. Pleasant weather. Gentle breeze from S. S. E. Smooth sea. At 12<sup>33</sup> changed course to S  $\frac{1}{2}$  W. Patent registering 17  $\frac{1}{2}$ . Shifted fires from two after port boilers to two forward starboard ones. Aneroid barometer 29.95. Steam 43  $\frac{1}{2}$ . Revolutions 42.5. Patent log 45.

Signed.

W. M. J. J. J.

Lieut

11 to 6. P.M. Clear and warm. Light airs from East. Smooth sea. At 11.45 mustered at quarters. Steam 46. Revs 46. Patent log 61. Aneroid 29.97. At 11.15 set fore and aft sail.

Signed. Hamwright Kellogg.

Lieut

6 to 8. Clear and pleasant weather. Light breeze from S E by S to S by E. Barometer rising. Smooth sea. Under steam. pressure 48 lbs. Revs 46. Patent log at end of watch 78 knots. Aneroid barometer 30.00.

Signed.

Karl Rohrer.

Lieut

8 P.M. to Midnight. Weather clear and pleasant. Light airs from Sd. growing stronger and hauling to S W. last hour of watch. Barometer steady. Set all fore and aft sail at 11.40. Steam 46. Revs 48. Aneroid 30.02. Patent log 12.

Signed.

C. P. Reis.

Lieut

Moon and stars examined and found to be correct.  
Dec. 16° 12' 45" S  
Phase First Cr

W. M. J. J. J.  
Lieut & Navigator.



Making passage from Hong Kong to Singapore

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8 2		S	SW	3		29.97	84	82	79	86	bc	circum	7		Set fore and aft sail
2	8 11		"	"	3		29.96	84	82	79	86	"	"	7		Look in main topsail
3	8 2		"	"	3		29.95	84	83	79	86	"	"	7		"
4	8 11		"	SxW	2		29.95	84	83	79	86	"	"	7		Look in fore and aft sail
5	8 11		"	"	2		29.94	84	83	79	86	"	circum	8		"
6	8 0		"	WSW	2		29.95	84	83	79	86	"	"	7		Set fore and aft sails
7	8 2		"	"	3		29.96	85	83	79	86	"	"	7		Set main topsail, set main
8	8 0		"	"	4		29.97	85	83	79	86	"	"	8		topsail. Look in fore and aft sails
9	7 5		"	SSW	2		30.01	85	85	79	86	"	circum	7		Set fore and aft sails
10	8 0		"	SW	3		30.01	85	86	79	86	"	circum	7		"
11	8 0		S 1/4 W	SSW	3		30.01	87	87	80	86	"	"	7		Look in fore and aft sails
Noon.	7 5		"	"	2		30.03	88	88	81	86	"	"	7		"

Distance run by Log since preceding Noon

190 knots 7 fathoms

Latitude by D. R. at Noon

13° 25' 00" N

Longitude by D. R. at Noon

109° 28' 00" E

Latitude by Observations at Noon ⊙

13° 11' 40" N

Longitude by Chronometer from Forenoon Observations ⊙

109° 31' 00" E

Current during the time, 57 knots — fms. per hour, setting to the

S. 13° E

Variation of the Compass by Amplitude ⊙ observed at Sunrise

" " "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M.

2° 00' 00" E

Water expended during the preceding 24 hours

1400 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1500 "

Coal consumed during the preceding 24 hours

15 tons 498 lbs.

Coal remaining on hand at Noon

147 " 2138 "

P. M.																
1	8 0		S 1/4 W	SWxS	2		29.97	88	88	81	86	bc	circum	7		Set fore and aft sail
2	8 0		"	SExS	3		29.94	87	85	81	86	"	"	7		Set main topsail
3	8 0		S 1/2 W	"	3		29.92	86	85	81	86	"	"	11		Set main topsail
4	8 0		"	SSW	2		29.92	86	85	80	86	"	"	5		Look in fore and aft sail
5	7 0		S 3/4 W	"	2		29.94	86	85	80	82	"	"	11		"
6	7 2		"	"	2		29.97	85	84	80	82	"	"	11		"
7	7 8		"	S	2		29.96	85	84	80	82	"	"	1		"
8	8 2		"	"	3		29.97	85	83	79	82	"	"	3		"
9	8 0		"	SSW	3		29.99	85	84	79	82	bc	circum	11		"
10	8 5		"	SW	2		29.99	85	79	79	82	"	circum	5		Set fore and aft sail
11	9 0		SxW 1/4 W	"	3		30.00	85	79	79	82	bc	"	6		"
Mid.	8 6		"	"	3		30.00	85	79	79	82	"	"	6		"

Longitude by Chronometer from Afternoon Observations ⊙

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>o</sup> Connick

, U. S. Navy,

Tuesday, September 2d

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Pleasant weather. Gentle breeze from S.W. hauling to S by W and falling light. Sighted land on starboard beam at 2.25. Moon set at 2.34. Took in fore and aft sail at 3.45. Steam 47 lbs. Air 45.5. Aneroid bar. 30.01. Pat log 115  
Signed. W. McIrwin. Sicut

11 to 5 A.M. Clear and pleasant. Light breeze at commencement of watch to moderate breeze from W.S.W. Smooth sea. At 5. set all fore and aft sails. Steam 48. Air 47. Patent log 80. Aneroid 30.05. Land in sight on starboard bow and beam distant about 20 miles.  
Signed. Mainwright Kellogg. Sicut

5 A.M. to Meridian Weather clear and pleasant. Light to gentle breeze from S.W. to S.S.W. Barometer steady. At 9.15 mustered and inspected at quarters. Under steam making 46 revolutions with a pressure of 47 lbs. At 10. changed course to S by W by order of Captain. Land in sight on starboard bow, beam and quarter. Cape Sable bearing about two points on starboard bow. Patent log at end of watch 11 knots. Aneroid barometer 30.03.  
Signed. Karl Rohrer. Sicut

Meridian to 4 P.M. Weather clear and pleasant. Gentle breeze from S.W. and W. to S.W. and E. Barometer falling. At 1.40 set fore and aft sail except main topsail. At 2.45 changed course to S by W and set main topsail. At 3. took in main topsail and at 3.45 took in all fore and aft sail. Steam 44. Air 44. Aneroid 29.99. Patent log 44.  
Signed. C. P. Kus. Sicut

4 to 6 P.M. Pleasant weather. Gentle breeze from S.S.E. Smooth sea. Went to quarters at 4.45. At 4.57 changed course to S by W. Patent log reading 50.5. Aneroid barometer 30.00.  
Signed. W. McIrwin. Sicut

6 to 8 P.M. Clear and pleasant. Light breeze from South. Smooth sea. Steaming along the coast, land being distant about 10 miles and in sight from 1/2 point on starboard bow to broad off quarter. Bright moonlight. Steaming under six boilers. Aneroid 30.04.  
Signed. Mainwright Kellogg. Sicut

8 P.M. to Midnight. Weather clear and pleasant. Light to gentle breeze from S.S.W. to S.W. Barometer rising. Under steam making 46 revolutions under 47 lbs pressure. Land in sight on starboard bow beam and quarter. Patent log at end of watch 10.5 knots. At 10. changed course to S by W 1/2 W by order of Captain. Aneroid barometer 30.05.  
Signed. Karl Rohrer. Sicut

Moon's

Dec 13° 53' 06" S.

Chase First Dr

Examined and found to be correct.

W. H. Parker  
Sicut & Navigator.



Making passage from Hong Kong to Singapore

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	7 8	S x N 1/4 N	W S N		3		29.98	83	81	77	82	b c	Scum	6	5	Set main trysail
2	8 2	"	"		2		29.96	83	80	77	82	"	"	14	"	
3	8 0	"	"		2		29.94	82	80	77	82	"	Scum	3	"	Look in for aft sail
4	8 0	"	"		2		29.94	82	80	77	82	"	"	3	"	
5	8 0	"	S N		2		29.94	85	81	78	82	"	"	3	"	Set for aft sail
6	8 8	S x N 3/4 N	"		2		29.95	85	82	78	83	"	"	2	"	Set main trysail
7	8 0	"	S N x N		3		29.97	82	82	78	82	"	"	2	"	
8	8 0	S S N 1/2 N	"		3		29.99	82	82	78	83	"	"	3	"	Set main trysail
9	8 0	"	W S N		4		30.00	84	82	78	83	"	"	8	"	Set foresail.
10	8 14	"	"		11		30.00	84	82	78	83	"	"	7	"	
11	8 6	"	N		11		30.00	84	82	79	83	"	"	6	"	
Noon	8 14	"	"		11		30.00	84	82	79	83	"	"	5	"	

Distance run by Log since preceding Noon

191 knots 3 fathoms

Latitude by D. R. at Noon

"

Longitude by D. R. at Noon

"

Latitude by Observations at Noon

10° 01' 00" N

Longitude by Chronometer from ~~Forenoon Observations~~ Bearings

108° 50' 00" E

1129 Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

"

Variation of the Compass by Azimuth observed at

"

Water expended during the preceding 24 hours

400 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1100 "

Coal consumed during the preceding 24 hours

15 tons 1182 lbs.

Coal remaining on hand at Noon

132 " 956 "

E 108° 50'	P. M.															
1	7 0	S S N 1/2 N	W x S		5		29.97	84	84	79	83	b c	Scum	11	5	Look in for sail
2	7 0	"	W S N		5		29.93	84	84	79	86	"	Scum	5	"	
3	7 5	"	"		5		29.93	84	84	79	86	"	"	5	"	
4	7 5	"	"		5		29.93	84	83	79	86	"	"	5	"	Look in main trysail
5	7 5	S W x S	"		11		29.93	84	82	79	86	"	"	2	"	
6	7 6	"	"		11		29.93	84	82	79	86	"	"	3	"	
7	7 8	"	"		11		29.96	84	83	79	86	"	"	2	"	
8	8 0	"	"		11		29.98	84	82	78	86	"	"	2	"	
9	7 0	"	N		5		29.98	85	83	80	86	"	Scum	2	"	
10	8 0	"	"		5		29.99	85	83	80	86	"	"	2	"	
11	7 8	"	"		5		30.00	85	83	80	86	"	"	3	"	
Mid.	7 6	"	"		5		29.99	85	83	80	86	"	"	3	"	

Longitude by Chronometer from Afternoon Observations

108° 54' 00" E

Longitude by Chronometer from Observations

"

Variation of the Compass by Amplitude observed at Sunset

"

Variation of the Compass by *az* at 4 p.m.

2° 00' 00" E



under the command of

Commander A. H. M<sup>o</sup> Carmick  
Wednesday, September 3d

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather partly cloudy and pleasant. Gentle breeze from Sd and Wd. Barometer falling. At 12.45 set main trysail. At 3.00 took in fore and aft sail. At 3.35 the moon set. Aneroid at end of watch 30.00. Steam 43. Revolutions 46. Patent log 45.

Signed

C. P. Reis.

Lieut

4 to 8 A.M. Cloudy and pleasant. Moderate breeze from S W by W. hauling to W S W. At day light sighted Ciciv-de-Inde Island bearing (true) S W by S. At 5.30 changed course to S by W  $\frac{1}{4}$  W. patent log reading 57. Set fore and aft sail. At 7.20 changed course to S S W  $\frac{1}{4}$  W. patent log 74.5. Steam 46 lbs. Cws 45.5. Patent log 78. Aneroid bar. 30.06.

Signed.

W. M. Irwin.

Lieut

8 A.M. to Meridian. Clear and pleasant. Moderate breeze from West. Smooth sea. At 9.30 lost sight of Ciciv-de-Inde Island. At 8.30 sighted Round Island bearing South. At 8.55 set foresail. At 11.13 Round Island bore S E by E  $\frac{1}{4}$  E (abeam). Steaming under six boilers. Aneroid 30.05. Patent log 10.5.

Signed. Mainwright Kellogg.

Lieut

Meridian to 11 P.M. Weather clear and pleasant. Fresh breeze from W by S to W S W. Barometer falling. Under steam and fore and aft sail. Steam pressure 45 lbs and making 43 revolutions. Last sight of Round Island, astern, at 2.15. Aneroid barometer 29.99.

Signed.

Karl Rohrer.

Lieut

4 to 6 P.M. Weather cloudy and pleasant. Moderate breeze from W S W. Barometer steady. Mustered at quarters at 4.45, and exercised at fire quarters at 4.50. Changed course at 4.45 to S W by S. Aneroid at end of watch 29.99. Steam 46. Cws 45. Took in main trysail at 4.45.

Signed.

C. P. Reis

Lieut

6 to 8 P.M. Pleasant weather. Moderate breeze from W S W. Sea smooth. Steam 49 lbs. Cws 50. Aneroid bar. 30.03. Patent log 74.

Signed.

W. M. Irwin.

Lieut

8 P.M. to Midnight. Clear and pleasant. Moderate breeze from West. Smooth sea. Steaming under six boilers. Steam 47. Cws 50. Patent log 10.5. Aneroid 30.08.

Signed. Mainwright Kellogg.

Lieut

Moon limb. Examined and found to be correct.  
Dec. 10° 49' 31" S.  
Phase. First Q.

M. J. Parker  
Lieut & Navigator.



Making passage from Hong Kong to Singapore.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8	5	SW+S	W+S	5		29.93	83	83	79	86	bcl	Cir cum 3 cum	3	S	Fore and aft sail
2	8	5	"	"	5		29.93	83	83	79	86	"	"	14	"	
3	8	5	"	"	11		29.90	83	82	79	86	"	"	6	"	
4	8	5	"	"	5		29.91	83	82	79	86	"	"	6	"	
5	7	8	"	"	5		29.94	83	81	77	86	"	"	11	"	
6	8	0	"	"	11		29.94	82	81	77	86	bc	"	2	"	
7	8	0	"	W S W.	5		29.94	81	81	77	86	"	"	2	"	
8	7	8	"	SW+V.	3-11		29.96	81	81	77	84	bog	"	2	"	Took in all fore and aft sail
9	7	0	"	"	3-11		29.97	82	81	77	84	bc	"	3	"	
10	8	0	"	W S W.	3		29.98	82	81	77	84	"	"	11	"	
11	8	0	"	"	11		29.99	83	82	79	84	"	"	11	"	Set and took in all
Noon.	8	0	"	SW+V.	11		29.96	83	80	78	84	"	"	3	"	fore and aft sail

Distance run by Log since preceding Noon

186 knots 4 <sup>tenths</sup> fathoms.

Latitude by D. R. at Noon

7° 19' 12" N

Longitude by D. R. at Noon

107° 05' 00" E

Latitude by Observations at Noon ☉

7° 34' 22" N

Longitude by Chronometer from Forenoon Observations ☉

107° 19' 30" E

Current during the time 0.87 knots fms. per hour, setting to the

N 44° E.

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at 8. A.M.

1° 50' 00" E.

Water expended during the preceding 24 hours

1100 gallons.

Water distilled during the preceding 24 hours

2000 "

Water remaining on hand fit for use at Noon

2700 "

Coal consumed during the preceding 24 hours

18 tons 1380 lbs.

Coal remaining on hand at Noon

113 " 1816 "

P. M.																
1	7	6	SW+S	W.	5		29.96	82	80	77	84	ocv	Cir cum 3 cum	0	"	
2	8	6	"	SW	11		29.96	82	80	77	84	oc	"	0	"	
3	8	6	"	W.	11		29.94	82	80	77	84	ocv	"	0	"	
4	9	0	"	W+S	11		29.93	82	80	77	84	ocd	"	0	"	All fore and aft sail
5	9	0	"	W S W.	4-6		29.92	82	78	75	84	ocgr	Cir cum 8 cum	0	"	Took in fore and aft sail
6	9	0	"	SW+V.	4-6		29.95	80	77	76	84	ocgrlt	"	0	"	
7	8	5	"	"	4-6		29.95	80	77	76	84	"	"	0	"	
8	8	0	"	"	4-6		29.95	80	77	76	84	ocgd	"	0	"	
9	8	5	"	SW+S	4-6		29.98	80	79	76	84	"	"	0	"	
10	8	5	"	"	2		29.99	80	79	76	84	ocv	"	0	"	
11	8	5	"	"	2		29.99	80	78	76	84	oc	"	0	"	
Mid.	8	0	"	SW	2		29.99	80	78	76	84	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>c</sup> Cormick

, U. S. Navy,

Thursday, September 11th, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Weather clear and pleasant. Moderate to fresh breeze from N by S. Barometer falling. Distilling water. Under steam and fore and aft sail. Steam pressure 119 lbs. Revolutions 147. Patent log at end of watch 39. Aneroid barometer 30.00.

Signed. Karl Rohrer.

Lieut

11 to 1 P.M. Weather cloudy and pleasant. Moderate breeze from S and W. growing squally last hour of watch. At 6.45 took in flying jib. At 6.50 set main try sail and took it in again at 7.35. At 7.50 took in all fore and aft sail. Aneroid at end of watch 30.06. Steam 55. Revs 48. Patent log 71.

Signed. C. P. Aus.

Lieut

1 P.M. to Meridian. Cloudy and threatening. Moderate breeze from S W by W to W S W. Mustard at quarters at 9.15 after which exercised at great guns. At 11 set all fore and aft sail except flying jib. at 11.50 took it in the wind hauling ahead. Steam 49. Revs 47. Aneroid bar 30.04. Patent log 103. Stopped distilling at 9.30 and used distilling boilers for steaming.

Signed. W. M. Irwin.

Lieut

Meridian to 11 P.M. Cloudy. Moderate frequent squalls of wind and rain from S W to West. Smooth sea. Steaming under all boilers. Aneroid 30.02. Patent log at end of watch 398. A strong squall commenced at end of watch from West.

Signed. Wainwright Kellogg.

Lieut

4 to 6 P.M. Weather overcast squally and raining. Breeze stiff in squalls from W S W to S W by W. Barometer rising. Under steam. Pressure 52 lbs and making 54 revolutions. At 4.15 the fore topmast stay sail stay carried away in the nip at the bee, hauled the sail in by the sheets and down haul, spliced the stay and rove and set it up again and made preparations to bend the sail. Patent log at end of watch 68.5 knots. Aneroid barometer 30.02.

Signed. Karl Rohrer.

Lieut

6 to 8 P.M. Weather overcast and raining. Fresh breeze from S W by W. Barometer steady. Aneroid at end of watch 30.06. Steam 52. Revs 55. Patent log 76.

Signed. C. P. Aus.

Lieut

8 P.M. to Midnight. Overcast and cloudy with frequent showers. Gentle breeze from W S W hauling to S W by S and falling light. At 8.00 set all fore and aft sail except flying jib. at 9.00 took it in the wind hauling ahead. Steam 45 lbs. Revs 50. Aneroid bar. 30.10. Patent log 112.

Signed. W. M. Irwin.

Lieut

Looked and Examined and found to be correct.  
Dec 7° 08' 09" S.  
Chase, Full moon.

W. H. S. R.  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Forms of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the mile the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8 11		SW x S	SW	4-6		29.99	80	78	77	811	ocqrl	minibus	0	S	
2	8 11		"	"	4-6		29.99	80	78	77	811	"	"	0	"	
3	8 6		"	Var	5-7		29.98	80	78	77	811	"	"	0	"	
4	9 0		"	W.	4-6		29.96	80	78	77	811	"	"	0	"	
5	7 0		"	W x S	5-6		29.97	80	78	76	811	ocqrl	"	0	"	
6	7 0		"	W S W.	5-6		29.98	79	78	76	811	"	"	0	"	
7	7 0		"	S W.	4-6		29.98	79	78	76	811	"	"	0	"	
8	7 0		"	"	5		30.00	79	78	76	811	ocd	Cum- cumbs	0	"	
9	7 0		"	SW x W.	5		30.01	79	78	76	811	"	"	0	"	
10	8 6		S S W.	"	5		30.01	79	78	76	811	bc	"	1	"	
11	9 0		"	"	3		30.01	82	81	77	811	"	Cum 8 Cir Cum	11	"	
Noon.	9 0		"	"	3		30.04	83	81	77	811	"	"	3	"	

Distance run by Log since preceding Noon

197 knots 8 fathoms.

Latitude by D. R. at Noon

4° 39' 00" N

Longitude by D. R. at Noon

105° 27' 00" E

Latitude by Observations at Noon ☉

4° 50' 24" N

Longitude by Chronometer from Forenoon Observations ☉

105° 46' 00" E

Current during the time .91 knots — fms. per hour, setting to the

N 60° E

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

1186 Variation of the Compass by Azimuth ☉ observed at 8 AM

1° 30' 00" E

Water expended during the preceding 24 hours

1100 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2300 "

Coal consumed during the preceding 24 hours

21 tons 460 lbs.

Coal remaining on hand at Noon

92 " 1356 "

P. M.																
1	8 11		S S W	SW	3		29.98	84	83	78	811	oc	circum	0	"	
2	8 6		"	S	3		29.98	84	83	78	811	"	"	0	"	
3	9 0		"	"	3		29.97	84	83	78	811	bc	"	2	"	
4	9 0		"	S S W	2		29.97	85	811	78	811	"	"	2	"	
5	9 0		"	"	2		29.98	86	85	80	811	"	Cir Cum Cum Str	2	"	
6	8 0		"	"	2		29.96	85	84	80	811	"	"	2	"	
7	8 0		"	S x W.	3		29.97	86	84	80	811	"	Cir 8 Cir Cum	5	"	
8	8 0		"	"	3		29.99	86	811	80	811	"	"	3	"	
9	7 0		S S W 1/4 W	S S W.	3		30.03	84	82	77	83	bed	"	2	"	
10	6 6		"	"	2		30.05	83	83	79	83	"	"	3	"	
11	6 6		"	"	2		30.03	83	83	79	83	bc	"	5	"	
Mid.	7 0		"	"	2		30.02	83	83	79	83	"	"	4	"	

Longitude by Chronometer from Afternoon Observations ☉

105° 46' 00" E

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>o</sup> Conner, U. S. Navy,  
Friday, September 5<sup>th</sup>, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Overcast. Disagreeable. Strong squalls during watch from S.E. to West. Very heavy rain during entire watch. Steaming under all boilers. Aneroid 30.08. Patlog 18. Signed. Mainwright Kellogg. Lieut.

4 to 8 A.M. Weather overcast, squally and rainy. Brize fresh in squalls from W by S to S.W. Barometer steady. Under steam pressure 48 lbs. revolutions 449. Patent log at end of watch 76.5. Aneroid barometer 30.13.

8 A.M. to Meridian. Weather cloudy and pleasant. Gentle breeze from S.S.W. Barometer steady. At 9.00 changed course to S.S.W. Aneroid at end of watch 30.09. Steam 43. Revs 50. Patent log 10.5. Signed. Karl Rohrer. Lieut.

Meridian to 11 P.M. Overcast and cloudy first part, clearing slightly latter part. Moderate breeze from S.S.W. to South. Smooth sea. Patent log 46. Steam 45. Revs 49. Aneroid barometer 30.02. Signed. G. P. Rus. Lieut.

11 to 6 P.M. Cloudy. Clearer, light breeze from S.S.W. Smooth sea. At 5. hauled fire under two boilers. Aneroid 30.04. Patent log 63.5. Signed. Mainwright Kellogg. Lieut.

6 to 8 P.M. Clear and pleasant. Gentle breeze from S by W. Barometer rising. Smooth sea. Under steam. Pressure 45 lbs. revolutions 466. Patent log at end of watch 80. Aneroid barometer 30.05. Signed. Karl Rohrer. Lieut.

8 P.M. to Midnight. Weather generally pleasant. Light breeze from S.S.W. Barometer steady. At 11.30 started fire under two remaining boilers. Aneroid at end of watch 30.08. Steam 32. Revolutions 446. Patent log 10.8. Changed course to S.S.W. 1/4 W. at 10. Signed. G. P. Rus. Lieut.

Moon Land Examined and found to be correct.  
Dec 3° 02' 28" S.  
Phase, Full moon.

W. H. Parker  
Lieut & Navigator.



Making passage from Hong Kong, China to Singapore

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8	0	S. S. W. 1/4 W.	S. S. W.	2		30.00	83	82	79	84	bc	cir-cum	5	8	
2	8	5	"	"	3		29.99	83	82	78	84	"	"	11	"	
3	8	5	"	"	2		29.98	83	82	78	84	"	"	5	"	
4	9	0	"	"	2		29.97	83	82	78	84	"	"	5	"	
5	8	2	"	S.	2		29.99	84	82	78	84	"	"	11	"	
6	9	0	"	"	2		30.02	85	83	78	84	"	"	5	"	
7	9	0	"	"	2		30.01	85	84	80	84	"	"	5	"	
8	8	0	S. 1/2 W.	"	2		30.05	85	84	80	84	"	"	5	"	
9	8	0	S 1/4 W.	S x E	3		30.08	85	84	80	84	"	Cum n. cir cum	11	"	
10	9	0	"	"	3		30.08	85	84	80	84	"	"	5	"	
11	7	5	S.	"	3		30.08	85	84	80	84	"	"	6	"	
Noon.	7	5	S.	"	3		30.07	86	86	80	84	"	"	6	"	

Distance run by Log since preceding Noon

199 knots 11 fathoms.

Latitude by D. R. at Noon

1° 42' 00" N

Longitude by D. R. at Noon

104° 36' 00" E

Latitude by Observations at Noon ☉

2° 01' 00" N

485.

Longitude by Chronometer from Forenoon Observations ☉

104° 33' 00" E

Current during the time 0.8 knots fms. per hour, setting to the

N 9° W.

Variation of the Compass by Amplitude ☉ observed at Sunrise

0° 1'

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

1° 00' 00" E

Water expended during the preceding 24 hours

400 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1900 "

Coal consumed during the preceding 24 hours

20 tons 1400 lbs.

Coal remaining on hand at Noon

71 " 1896 "

P. M.																	
1	8	11	S.	S x E	2	30.00	86	85	79	84	bc	cir cum	7	"			
2	8	11	"	"	2	29.99	86	85	79	84	"	"	7	"			
3	9	0	"	"	2	29.98	86	85	79	84	"	"	7	"			
4	9	0	S. S. W. 3/4 W.	"	2	29.98	86	85	79	84	"	"	5	"			
5	8	5	S 1/2 W.	S. S. W.	3	29.98	85	84	79	84	"	"	3	"			
6	8	5	N S W 1/4 W.	"	3	29.99	85	84	79	84	bc	"	3	"			
7	8	11	"	"	3	30.00	85	84	80	84	"	"	3	"			
8	8	9	N x S.	S. W.	3	30.00	85	84	80	84	bc	"	2	"			
ending in for			N W	"	2	30.03	85	81	78	84	"	"	2	"			
beached			S E.	"	2	30.03	84	82	78		"	"	3	"			
11	"	"	"	"	1	30.04	83	82	80		"	"	2	"			
Mid.	"	"	N S W.	"	1	30.04	81	82	80		"	"	3	"			

Longitude by Chronometer from Afternoon Observations ☉

0° 1'

Longitude by Chronometer from Observations \*

0° 1'

Variation of the Compass by Amplitude observed at Sunset

0° 1'

Variation of the Compass by

at

0° 1'



under the command of

Commander A. H. M<sup>o</sup> Carmick

, U. S. Navy,

Saturday, September 6th

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Pleasant weather. Light breeze from S. S. W. Smooth sea. Steam 45 lbs. Revolutions 45. Aneroid bar. 30.04. Patent log 42.

Signed.

W. M. Irwin.

Lieut

11 to 8 A.M. Cloudy. Hazy. Light breeze from South. Smooth sea. At 6.00 sighted high land (Pulo Aor.) bearing S. S. W. At 6.55 changed course to South. Patent log 68 1/2 miles. at 7.06 to S 1/2 W patent log 70 miles. patent log at end of watch 79. At end of watch Pulo Aor. was on starboard bow, distant about 5 miles south and bearing S S W. Steaming under six boilers. Aneroid 30.10.

Signed.

Wainwright Kellogg.

Lieut

8 A.M. to Meridian. Weather clear and pleasant, Hazy about the horizon. Gentle breeze from S by E. Barometer steady. Changed course, at 8.05 to S 1/2 W and at 10.10 to South by order of Captain. Under steam, pressure 46 lbs. and making 52 revolutions. Patent log at end of watch 111 knots. Pulo Aor. island barely visible on starboard quarter. At 11.50 sighted an island from aloft about a point forward of starboard beam. Aneroid barometer 30.08.

Signed.

Karl Rohrer.

Lieut

Meridian to 11 P.M. Weather partly cloudy and pleasant. Light airs from S by E. Barometer falling. Land in sight to W during watch. At 3.45 sighted and headed for Hersburg Island light bearing S. S. W 1/4 W. Aneroid at end of watch 30.02. Steam 43. Revs 51. Patent log 50.

Signed.

O. P. Reis.

Lieut

11 to 6 P.M. Cloudy and threatening rain. Light breeze from S. S. W. Sea smooth. Bent top gallantsails, crossed top gallant yards and made usual preparations for port. At 5. changed course to S W. patent log showing 58. at 5.25 to W S W 3/4 W. patent log 62. at that time Hersburg lighthouse bore abeam (pc.) S E. Aneroid barometer 30.04.

Signed.

W. M. Irwin.

Lieut

6 to 8 P.M. Cloudy. Hazy. Slightly pleasant. Light airs from S. W. Sea smooth. Standing through middle channel to Singapore. At 6.5 sighted Singapore, <sup>light beginning</sup> West. At 7. changed course to W by S. Passed several sailing vessels bound to Ed. Steaming under six boilers. Aneroid 30.08. Patent log 76.

Signed.

Wainwright Kellogg.

Lieut

8 to 10 P.M. Weather somewhat cloudy but pleasant. Light breeze from S W. Barometer steady. At 9.10 come to anchor in Singapore Harbor in 4 3/4 fathoms of water, veering to 30 fathoms on starboard chain. Fort Conning light bearing N W 1/4 W. Peak Island S 1/2 W. Ship's head N W by W. Hauled fire under six boilers. Aneroid barometer 30.08.

Signed.

Karl Rohrer.

Lieut

Noon Land

Examined and found to be correct.

Dec 1<sup>o</sup> 18' 26" N.

Phase. Full moon

W. H. Park

Lieut & Navigator.



## Singapore Straits Settlements.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather by symbols.	Form of Clouds, by symbols.	Prop of Clear sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 2.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
	0		SW x W	Calms	0		30.02	82	81	79		bc	Scum 3	3	S	
1			"	"	0		30.02	81	81	79		"	"	11	"	
2			"	SW	1		30.00	81	79	78		"	"	11	"	
3			"	"	1		30.00	80	79	78		"	"	2	"	
4			W x W	Calms	0		29.99	83	80	78		"	"	2	"	
5			W x W	A.	1		29.99	80	80	78		cc	"	1	"	
6			NE x E	SW	1		30.02	80	79	78		bc	"	1	"	
7			NE x E	SW	1		30.06	82	80	79		"	"	2	"	
8			SE	SW	2		30.07	83	81	80		"	"	2	"	
9			"	"	2		30.08	84	82	80		"	"	1	"	
10			SW	"	3		30.07	84	83	81		"	"	2	"	
11			"	"	3		30.05	85	84	81		"	"	3	"	
Noon			"	"	3							"	"			

Distance run by Log since preceding Noon

69 knots 4 fms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

100 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1500 "

Coal consumed during the preceding 24 hours

7 tons 2020 lbs.

Coal remaining on hand at Noon

63 " 2116 "

P. M.																
1			SW	SW	2		30.05	85	84	81		bc	Scum 11	11	"	
2			"	"	2		30.10	85	84	82		"	"	5	"	
3			"	"	2		29.99	85	85	83		"	"	11	"	
4			SW x S	S	2		29.98	85	85	81		"	"	3	"	
5			"	"	2		29.98	85	85	81		"	"	3	"	
6			"	"	2		29.98	85	85	81		"	"	1	"	
7			E x S	SE	2		29.98	84	83	82		bc	Scum 11	11	"	
8			"	"	2		30.00	84	83	82		"	"	6	"	
9			NE x E	SE	2		30.02	84	83	82		"	"	6	"	
10			E	E	2		30.13	85	84	80		"	Scum 3	2	"	
11			SE	SE	2		30.03	84	84	80		"	"	1	"	
Mid.			SE x S	"	2		30.04	84	84	80		"	"	2	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander A. H. M<sup>o</sup> Connick  
Sunday, September 7

, U. S. Navy,  
1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Generally cloudy and pleasant, with light airs and calms and stationary barometer. Aneroid 30.08.

Signed. W. J. S. Halpine.

Lieut

11 to 8 A.M. Weather cloudy and pleasant. Light variable, airs and calms. Barometer rising. Loosed sail at 7.40. Fires banked under two boilers. Aneroid at end of watch 30.10.

Signed.

C. P. Riss.

Lieut

8 A.M. to Meridian. Warm and hazy with light to gentle breeze from S.W. Barometer about steady. At 9.30 called all hands to muster and read Articles for Better Government of the Navy, and had general muster. Sent an officer to call on the U.S. Consul. At 11.30 ash-lighter came alongside. Aneroid at end of watch 30.10.

Signed.

W. J. Sears.

Ensign

Meridian to 11 P.M. Pleasant weather. Light breeze from S.W. hawling to South. Barometer falling. Aneroid barometer 30.06.

Signed.

W. M. Lawin.

Lieut

11 to 8 P.M. Cloudy and pleasant with light breeze from S and S.S.E. The U.S. Consul paid a visit to the ship. Aneroid barometer 30.03.

Signed.

R. C. Bitter.

Ensign

8 P.M. to Midnight. Cloudy. Pleasant. Obscured moonlight. Light Ely and S.E. breezes. Rising barometer. Slack water about 10.50. Vessel riding across the tide at end of watch. Aneroid barometer 30.07.

Signed.

W. G. Hamum.

Ensign

Moonland

Examined and found to be correct.

Dec 5° 38' 06" N

Phase. Full moon

W. H. Parker  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	Anchored		SE + S.	S	2		30.00	84	83	79	bc	cum & cir cum	2	S		
2	"		SW.	"	2		30.00	84	83	79	"	"	5	"		
3	"		"	"	2		30.00	84	83	79	"	"	3	"		
4	"		"	"	2		30.00	84	82	79	"	"	2	"		
5	"		SW + S.	calm	0		29.98	83	83	79	"	"	3	"		
6	"		NW	NW	1		29.98	83	83	79	"	"	1	"		
7	"		N.	"	1		29.98	83	80	78	"	"	2	"		
8	"		NW + N.	WSW	1		30.05	83	80	78	"	"	3	"		
9	"		NE + E	SW.	1		30.05	83	80	78	"	"	2	"		
10	"		SE + S.	"	2		30.04	80	79	76	bc	"	1	"		
11	"		SSW.	S.	1		30.04	80	80	77	bc	"	2	"		
Noon.	"		"	SW.	1		30.03	82	81	78	"	"	2	"		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

gallons.

Water during the preceding 24 hours

1100

"

Water remaining on hand fit for use at Noon

"

Coal consumed during the preceding 24 hours

1100 tons lbs.

Coal remaining on hand at Noon

63 " 800 " 1316

P. M.																	
1	"		SW	SSW	1		30.01	84	82	79		bcq.	cir cum	2	"		
2	"		"	"	2		30.00	84	82	79		"	"	3	"		
3	"		"	"	2		29.99	84	82	79		"	"	11	"		
4	"		"	"	2		29.98	85	82	79		"	"	3	"		
5	"		"	"	1		29.98	85	82	79		bc.	"	3	"		
6	"		SW + S.	"	1		29.97	84	82	78		"	"	5	"		
7	"		"	"	0-1		29.97	84	82	78		"	"	6	"		
8	"		"	"	0-1		29.97	84	82	78		"	"	7	"		
9	"		NE + E.	ESSE	1		29.97	84	82	78		"	"	8	"		
10	"		"	"	1		29.97	83	82	78		"	"	8	"		
11	"		SSE	"	1		29.97	83	82	78		"	"	7	"		
Mid.	"		"	SSW	2		29.98	83	82	78		"	"	8	"		

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>c</sup> Cormick  
Monday, September 8th

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Weather clear and pleasant. Light breeze from South. Barometer steady. Swung to ebb tide at 12.30. Aneroid barometer 30.04.

Signed Karl Rohrer. Lieut  
11 to 8 A.M. Cloudy and pleasant with light airs, and calms. Loosed sail. Aneroid barometer 30.10. Sudden rise in barometer last hour.

Signed. St. J. L. F. Halpine. Ensign.  
8 A.M. to Meridian. Weather cloudy with heavy showers of rain at 9.00. Winds light and variable. At 8.44 furlid, and unbent topsails, and foresail. By order of Commanding Officer placed Thomas Noon. (2d Lieut.) in double lions for ten days for insubordination, and disrespect to Superior Officer. Aneroid at end of watch 30.09.

Signed. M. P. Rus. Lieut  
Meridian to 11 P.M. Cloudy and hazy with light breeze from S.S.W. Falling barometer. Several steamers came in from South during watch. Received in Equipment Department 30 jib-hanks. Aneroid at end of watch 30.02.

Signed. W. J. Fears. Ensign.  
11 to 8 P.M. Pleasant weather. Light airs from S.S.W. At 5<sup>50</sup> called all hands, and bent the topsails, foresail, and fore topmast stay sail. Received on board in Engineer's Department 327 galls. olive oil, 50 galls. tea oil, 96 lbs of insertion rubber, 7 lbs of asbestos packing, 200 lbs of waste, and 2 lbs. of chalk. Aneroid barometer 30.02. American bark "Victor" left the harbor.

Signed. W. M. Irwin. Lieut  
8 P.M. to Midnight. Hazy. Pleasant, Light breeze from S.S.E. Aneroid 30.05. Moonlight.

Signed. Wainwright Kellogg. Lieut

Moonlight Examined and found to be correct.  
Dec 9° 41' 50" N.  
Phase. Full moon

W. H. Park  
Lieut & Navigator.



## Off Singapore! Straits Settlements.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	Anchored		S. S. W.	SW	2		29.98	84	81	78		bc	circum	6	S	
2	"		"	"	1		29.98	84	81	78		"	"	2	"	
3	"		"	"	1		29.94	84	81	78		bcl	"	3	"	
4	"		"	SSE	1		29.98	84	81	78		"	"	1	"	
5	"		"	"	1		29.99	84	81	78		"	"	1	"	
6	"		W x N.	"	2		30.01	84	79	76		bcl	"	1	"	
7	"		"	NW	2.5		30.01	85	79	75		ocgd	Cum	0	"	
8	"		"	"	2.5		30.08	80	76	75		ocrg	"	0	"	
9	"		NE x E	W	1		30.04	78	77	74		ocv	Cum nub	0	"	
10	"		E x N.	Calms	0		30.01	78	77	74		bcl	"	1	"	
11	"		E x E	"	0		30.03	79	78	75		bc	"	1	"	
Noon.	"		W x W.	W	2		30.03	79	78	75		"	"	1	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon " " "

Longitude by D. R. at Noon " " "

Latitude by Observations at Noon " " "

Longitude by Chronometer from Forenoon Observations " " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude " observed at Sunrise " " "

Variation of the Compass by Azimuth " observed at " " "

Water expended during the preceding 24 hours 400 gallons.

Water distilled during the preceding 24 hours 600 "

Water remaining on hand fit for use at Noon 1300 "

Coal consumed during the preceding 24 hours 1 tons 1160 lbs.

Coal remaining on hand at Noon 147 " 156 "

P. M.																
1	"		W x W.	SW	1		30.01	82	80	76		bc	Cum nub	1	"	
2	"		"	"	1		30.01	82	80	76		bc	"	0	"	
3	"		SW	"	1		30.00	84	81	78		bc	"	3	"	
4	"		"	"	1		29.98	84	81	78		"	circum	3	"	
5	"		"	"	1		29.97	84	82	78		"	"	2	"	
6	"		W x W.	ESSE	1		29.96	83	82	78		"	"	2	"	
7	"		"	"	1		29.97	83	82	78		"	dis	9	"	
8	"		ESE.	E	1		29.97	83	82	78		"	"	9	"	
9	"		E	SE.	1		30.02	82	80	78		bcl	circum	7	"	
10	"		E x N.	"	1		30.03	82	81	78		"	"	7	"	
11	"		"	"	1		30.03	82	81	78		"	"	8	"	
Mid.	"		"	"	1		30.03	82	81	78		"	"	7	"	

Longitude by Chronometer from Afternoon Observations " " "

Longitude by Chronometer from Observations \* " " "

Variation of the Compass by Amplitude observed at Sunset " " "

Variation of the Compass by at " " "



under the command of

Commander A. H. W. Conner

, U. S. Navy,

Tuesday, September 9th, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy. Pleasant. Obscured moonlight  
Sight S.W. breeze, shifting to S.S.E. last hour. Steady barometer. Ebb Tide.  
Anuroid barometer 30.01.

Signed. W. E. Hannum. Ensign.

4 to 8 A.M. Weather overcast, squally and rainy. Breeze light to fresh in  
squalls from S.S.E. to N.W. Barometer rising. Started fires under two forward  
starboard boilers for distilling purposes. Received two lighters of coal along  
side. Anuroid barometer 30.15.

Signed. Karl Rohrer. Sub.

8 A.M. to Meridian. Cloudy with passing showers. Light airs and calms.  
Stationary barometer. Engaged in coaling and provisioning ship.  
Received in Pay Department 8 bbls of beef, 5 bbls of pork, 10 bbls of flour  
and 24 boxes of tobacco. Anuroid barometer 30.08. At 9.15 started distilling.

Signed. N. J. L. Halpin. Ensign.

Meridian to 4 P.M. Clear and warm. Light breeze from S.E. Barometer  
steady. Received on board 75 tons of coal in Equipmt Dept, 3 1/2 bags of rice  
in Pay Dept, 8 tins of copal varnish, and 11 tins of Demar varnish in Con-  
struction Dept, and 50 large envelopes, 1 bottle of red ink, and 1 clock in  
Navigation Dept. Making preparations for sea. Anuroid at end of watch 30.01.

Signed. C. P. Rus. Sub.

4 to 8 P.M. Clear and pleasant with light breeze variable in direction.  
Unshipped port accommodation ladders, secured boats, rove cat and fish,  
put cover on main topsail, and prepared for sea. Distilling. Anuroid 30.01.

Signed. W. J. Sears. Ensign.

8 P.M. to Midnight. Clear and pleasant. Light S.E. airs. Lightning  
about horizon to W. Recd on board in Pay Dept, 177 lbs fresh beef, 177 lbs  
of vegetables, and 146 loaves of bread. Anuroid barometer 30.04.

Signed. R. C. Pitter. Ensign.

Moon & wind Examined and found to be correct.  
Dec. 13° 13' 45" N.  
Phase. Full moon

W. H. Park  
Lieut. & Navigator.



Steamer Essex  
Off Singapore Straits Settlements.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			Ex A.	SE	1		30.01	80	80	78		bc	Cum 4, cumbs	11	S	
2			"	"	1		30.01	80	80	78		bcl	circum	7	"	
3			SW S.	"	1		30.01	80	80	78		"	Circumbs	6	"	
4			SW.	S.	2		30.01	80	80	78		"	Cum 3, cumbs	14	"	
5			"	"	3		30.01	80	80	78		bc	"	1	"	
6			"	SW	2		30.02	80	80	78		"	"	2	"	
7			"	"	1		30.01	82	80	78		"	"	2	"	
Underway			Ex S.	"	1		30.04	82	80	78	84	"	"	1	"	
9	7 5		Ex S.	S	3		30.06	82	81	79	84	"	Cum Cir	3	"	
10	7 5		SE 1/4 E.	"	3		30.06	85	84	79	84	"	"	11	"	
11	7 5		SE 1/4 E.	S. S. E.	3		30.06	85	84	79	84	"	Cum Cir	3	"	
Noon.	7 5		S x E 1/4 E.	"	3		30.05	86	85	80	86	"	"	3	"	

Distance run by Log since preceding Noon

311 knots 0 fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

1185 Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

1400 gallons.

Water during the preceding 24 hours

1900 "

Water remaining on hand fit for use at Noon

2800 "

Coal consumed during the preceding 24 hours

6 tons 580 lbs.

Coal remaining on hand at Noon

1440 " 1816 "

P. M.																
1	2 0		SE 1/4 E.	SSE	4		30.01	85	84	79	86	bc	Cum 3, circum	11	"	
2	2 5		SE 1/4 S.	"	3-5		29.99	84	83	78	86	bcg	"	2	"	
3	8 0		SE 1/4 S.	"	11		29.99	84	83	78	86	bc	"	3	"	
4	7 0		"	"	11		29.99	84	83	78	86	"	"	2	"	
5	7 6		"	"	11		29.99	84	83	78	80	"	Cum Str	2	"	
6	7 4		"	"	11		29.99	84	83	78	80	"	Circum	2	"	
7	7 0		"	"	3		30.01	84	83	78	79	"	"	5	"	
8	6 8		"	"	3		30.01	84	83	78	79	"	"	8	"	
9	7 0		SE 1/4 S.	"	3		30.01	85	84	78	79	bcl	circ	9	"	
10	7 0		"	"	3		30.02	85	84	78	79	"	"	9	"	
11	7 0		"	"	3		30.03	85	84	78	79	"	"	9	"	
Mid.	7 5		"	"	3		30.03	85	83	78	79	"	Circum	7	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of,

Commander A. H. M<sup>o</sup> Cornick  
Wednesday, September 10<sup>th</sup>

, U. S. Navy,

, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Cloudy. Slightly misty. Moonlight. At 2.00 started fires under four boilers. Distilling Aneroid 30.04.

Signed. Wainwright Kellogg.

Lieut

11 to 8 A.M. Cloudy. Pleasant weather. Light S.W. breeze. Rising barometer. At 4.45 stopped distilling. At 7.54 got underway and stood out of harbor. Aneroid barometer 30.04.

Signed. W. G. Hammum.

Ensign

8 A.M. until Meridian. Weather pleasant. Gentle breeze from South to S. S. E. Barometer steady. Stood out of the harbor of Singapore, and down this strait, directing the course. Passed two Dutch gunboats, each having a launch in tow, and standing towards Singapore. Under steam, pressure 45 lbs, making 47 revolutions. Patent log at end of watch 33 knots. By order of Captain put ship on course E by S. then changed to E 1/2 S at 9.35. E at 9.45. E S E 1/2 E at 9.55. S S E 1/2 E at 10.20. S by E 1/2 E at 10.30. S S E at 10.45. S by E 1/2 E at 11.10. S by E 1/2 E at 11.18. S by E 1/2 E at 11.30 and to S S E 1/2 E at 11.55. Aneroid barometer 30.05.

Signed.

Karl Rohrer.

Lieut

Meridian to 11 P.M. Weather cloudy but pleasant. Gentle breeze from S. and E. Barometer steady. Standing through this strait first half of watch, under direction of Commanding Officer. At 2.06 took departure, Little Corras Id. Light bearing S by W. distant 1 mile. Shaped course S E 1/2 E. pat. log 51. Ship's draft foid 14' 16" 4". Aneroid, at end of watch 30.01. Steam 44. Revs 47. Pat. log 66.

Signed.

C. P. Aus.

Lieut

11 to 6 P.M. Pleasant weather. Gentle to moderate breeze from S. S. E. Smooth sea. Mustered at quarters at 11.45. Passed a steamer bound to the Ad and W. Aneroid barometer 30.04. Steam 45 lbs. Revs 47.

Signed.

W. M. Irwin.

Lieut

6 to 8 P.M. Clear and pleasant. Light breeze from S. S. E. Smooth seas. Steaming under six boilers. Aneroid 30.06. Pat. log 96. At 8. got a cast of lead 16 1/2 fathoms.

Signed. Wainwright Kellogg.

Lieut

8 P.M. to Midnight. Weather clear and pleasant. Gentle breeze from S. S. E. Barometer steady. Moon rose at 10.10. Under steam, pressure 44 lbs and 44 revolutions. Patent log at end of watch 25 knots. Changed course at 8 to S E by S. pat. log 96. At 11.00 to South. pat log 18. both by order of Captain. Aneroid barometer 30.09

Signed.

Karl Rohrer.

Lieut

Moonlight  
Dec 15° 58' 30" N.  
Phase. Full moon.  
Examined and found to be correct.

W. S. Park  
Lieut & Navigator.



Making passage from Singapore to Batavia. Island of Java

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8 0		S.	S. S. E.	3		30.00	84	80	78	79	bc	Ar cum cum	4	S	
2	8 0		"	"	3		30.00	84	80	78	79	"	"	5	"	
3	8 2		"	"	3		29.98	84	81	78	79	bcl	"	5	"	
4	8 0		"	"	3		29.98	84	81	78	79	"	"	7	"	
5	7 5		"	"	3		29.98	84	81	78	81	"	"	6	"	
6	7 0		"	"	3		30.01	84	81	79	81	begs	Ar cum cum	2	"	
7	7 0		"	"	3		29.98	84	81	79	81	bed	"	2	"	
8	7 0		"	"	3		29.98	84	82	79	82	"	Ar cum	5	"	
9	7 2		S 1/2 W	"	3		30.05	85	82	79	82	bcm	"	8	"	
10	7 2		"	"	3		30.05	85	83	79	82	"	"	8	"	
11	7 6		"	"	3		30.08	85	83	79	84	"	"	7	"	
Noon.	7 0		"	"	3		30.08	87	85	81	86	"	"	7	"	

Distance run by Log since preceding Noon

177 knots 5 fathoms.

Latitude by D. R. at Noon

1° 30' 00" S

Longitude by D. R. at Noon

105° 03' 00" E

Latitude by Observations at Noon ☉

1° 33' 00" S

Longitude by Chronometer from Forenoon Observations ☉

105° 04' 00" E

Current during the time knots fms. per hour, setting to the

1218. Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

400 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

21100 "

Coal consumed during the preceding 24 hours

15 tons 1450 lbs.

Coal remaining on hand at Noon

125 " 366 "

P. M.	Knots.	Fathoms.	Courses steered.	WINDS.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	8 0		S 1/2 W	S S E.	11		30.06	86	86	81	86	bc	Ar cum	8	"	
2	8 0		"	"	11		30.03	87	86	81	86	"	"	8	"	
3	7 2		S 1/2 E	"	11		30.00	88	87	81	86	"	"	8	"	
4	7 0		S 1/2 E	"	5		30.00	86	86	80	86	"	"	8	"	
5	7 0		S 1/2 E	S E + S	11		29.98	86	85	79	86	"	"	7	"	
6	7 5		"	"	11		29.98	86	85	79	86	"	Ar cum	7	"	
7	7 2		E 1/4 S.	"	11		30.00	85	84	77	86	"	"	7	"	
8	7 11		"	"	5		30.02	85	84	77	86	"	"	8	"	
9	7 11		"	"	5		30.04	85	84	77	86	"	"	8	"	
10			E S E	E S E	3-5		30.04	85	84	77		beg	Ar	8	"	
11	"		"	"	3-5		30.05	85	84	77		"	"	8	"	
Mid.	"		"	"	3-5		30.05	85	84	79		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. McCormick  
Thursday September 11th

, U. S. Navy,

1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Weather clear and pleasant. Bright moonlight. Gentle breeze from S. S. E. Barometer steady. Aneroid at end of watch 30.07. Steam 44. Rws 46. Patent log 53.

Signed. C. P. Aus. Lieut

11 to 8. A.M. Cloudy and rainy, clearing latter part. Moderate breeze from S. S. E. Smooth sea. At 5<sup>30</sup> sighted Jaja Island bearing (pc) West. At 6<sup>30</sup> sighted the Seven Islands bearing (pc) S. S. E. Steam 44. Rws 44. Patent log 88. Aneroid barometer 30.10.

Signed. W. M. Irwin. Lieut

8 A.M. to Meridian. Slightly hazy. Warm. Light breeze from South. Smooth sea. Land in sight on starboard beam and bow. (Island of Banta) at end of watch. Steaming under six boilers. Patent log at end of watch 17. At 8.47 changed course to S 1/4 W. Aneroid 30.08.

Signed. Wainwright Kellogg. Lieut

Meridian to 11 P.M. Weather clear and pleasant. Breeze moderate to fresh from S by E to S. S. E. Under steam, pressure 112 lbs and making 465 revolutions. Patent log at end of watch 49.5 knots. Land in sight on port bow and beam, and from 3 o'clock on starboard bow. Sighted Olan light house on port bow at 2.15 and Kalion Point light house two points on port bow at 2.30. An American ship passed standing to N, who dipped her colors which civility we returned. By order of Captain changed course at 2.15 to S 1/4 E. patent log 36; at 2.50 to S by E 1/4 E. patent log 45 and at 3.30 to S 1/4 E. patent log 46 knots. Aneroid barometer 30.02. <sup>By order of Comdg. Officer to finish the term of pentagon patrol</sup> The noon 2 fire was released from confinement. Signed. Karl Kohler. Lieut

11 to 6. P.M. Weather clear and pleasant. Light breeze from S. and E. Barometer steady. Standing through Banka Strait under direction of Captain. At 4.45 Mintok light bore N E by E 1/4 E. Shaped course S. E. At end of watch Mintok light bore N N W 1/4 W. Aneroid 30.02. Steam 44. Rws 46. Patent log 64.

Signed. C. P. Aus. Lieut

6 to 8. P.M. Clear and pleasant. Fresh breeze from S E by S. Smooth sea. At 6.45 changed course to N E 1/4 S. Patent log 70. At 6.45 stopped and got up and down cast of lead in 8 faths. water, started ahead at 6.52. At 7.45 Mintok light disappeared from view bearing (pc) N N W 1/4 W. Steam 40 lbs. Rws 45. Patent log 78.8. Aneroid barometer 30.08.

Signed. W. M. Irwin. Lieut

8 P.M. to Midnight. Slightly hazy. Pleasant. Moderate breeze from E S E. Smooth sea. Standing down Banka Strait until 9.10. when the ship was brought to and anchored below Third point in 11 faths. water. Veered to 30 fathoms on starboard chain. Banked fire. Aneroid 30.10. Patent log at time of anchoring 80.8.

Signed. Wainwright Kellogg. Lieut

Moored mid  
Dec 17° 44' 53" N.  
Phase Full moon.  
Examined and found to be correct.

W. M. Irwin  
Lieut-3 Navigator.



Anchored below Third Point, Straits of Banka, on passage  
from Singapore to Batavia, Island of Java.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
			Anchored E + S	S. E	11		30.05	82	81	78		b	none	10	S	
2			"	"	11		30.05	82	82	78		"	"	10	"	
3			"	"	11		30.03	82	82	78		bc	ci	9	"	
4			"	"	3		30.03	82	81	78		"	"	9	"	
5			" ESE	"	2		30.05	81	81	78		"	"	9	"	
			Standing SE	SE	2		30.07	81	81	77		"	"	9	"	
7			down	SE	2		30.07	81	80	77	86	"	ci strat	8	"	
			Banka S. S. E + S	"	11		30.09	82	80	77	86	"	"	8	"	
9	7 6		"	"	2		30.09	82	82	78	86	"	"	9	"	
10	7 8		SE + S	"	3		30.09	84	84	78	86	"	"	8	"	
11	7 5		"	"	3		30.09	84	85	78	81	"	"	8	"	
Noon.	7 5		"	"	3		30.09	84	85	78	81	"	"	8	"	

Distance run by Log since preceding Noon

115 knots 11 fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon

" " "

Longitude by Chronometer from Forenoon Observations

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

" " "

Variation of the Compass by Azimuth observed at

" " "

Water expended during the preceding 24 hours

100 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2000 "

Coal consumed during the preceding 24 hours

11 tons 760 lbs.

Coal remaining on hand at Noon

113 " 1846 "

P. M.	0	5	SE + S													
1	2	0	SE	SE	3		30.08	85	86	79	82	bc	circum	7	"	
2	2	0	"	"	3		30.06	86	85	79	84	"	"	8	"	
3	2	0	"	"	3-4		30.04	86	85	78	84	"	"	8	"	
4	8	0	"	"	3-4		30.02	86	85	78	84	"	ci	9	"	
5	11	0	SE + S	ESE	11		30.02	85	84	78	84	"	ci 3	8	"	
6	7	5	"	"	11		30.02	85	82	78	84	"	"	8	"	Set for sail
7	7	0	"	"	11		30.02	85	82	78	84	"	"	8	"	
8	7	2	"	"	11		30.01	85	82	78	84	"	ci	8	"	Look in for sail
9	7	0	"	"	11		30.01	84	82	78	84	"	"	8	"	Set for sail
10	7	0	"	"	11		30.01	84	82	78	84	"	"	9	"	
11	8	0	S 1/4 E	"	11		30.01	84	80	77	84	"	"	9	"	
Mid.	8	5	"	"	11		30.04	84	80	76	81	b	none	10	"	

Longitude by Chronometer from Afternoon Observations

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>o</sup> Conrick  
Friday, September 10

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Weather clear and pleasant, Gentle to moderate breeze from S.E. Barometer falling slowly. Sires barked. Aneroid barometer 30.09.

Signed Karl Rohrer. Lieut.  
11 to 8 A.M. Weather clear and pleasant, Gentle breeze from S.E. Barometer rising. Got underway at 5.55 and stood down Panka Straits under direction of Comdg Officer. Rounded Verde Pt. at 7.00. At end of watch West Nangka Id bore N.E. by N. and Verde Pt. N.W. by N. Aneroid 30.13. Steam 44. Rev 46. Patent log 2.5.

Signed. C. P. Russ. Lieut.  
8 A.M. until Meridian, Clear and warm. Moderate breeze from S.E. Smooth sea. At 9.15 went to quarters and inspected the crew. At 9.25 changed course to S. S. E. patent log 16 knots; at 10. Changed course to S.E. by S. patent log 19. During watch standing down Panka Strait under guidance of Comdg Officer. Steam 45. Rev 48. Patent log 36. Aneroid bar. 30.09.

Signed. W. M. Irwin. Lieut.  
Meridian to 11 P.M. Clear and warm. Light to moderate breeze from S.E. Sea smooth. Standing down the Straits of Panka. At 12.05 changed course to S.E. at 12.26 to E.S.E., at 12.48 to S.E. by S., at 1.35 to S. 3/4 E., at 1.47 to S by E., at 2 to S by E 1/4 E., at 2.12 to S by E., at 2.28 to S by E 1/4 E., and at 2.36 to S. S. E 3/4 E. At 2.40 Sucipara light ship bore N.E. by E 1/4 E., distant about 200 yards. At 3.36 Sucipara Island bore N.E. by E 1/4 E. Patent log at end of watch 68. Steaming under six boilers. Aneroid 30.05.

Signed. Vainwright Kellogg. Lieut.  
11 to 6 P.M. Weather clear and pleasant. Moderate breeze from S. S. E. Barometer steady. At 11 commenced swinging ship for compass deviation, beginning with South, and taking every fourth point, finishing at 11.40, and putting the ship on the course S.E. by S. by order of captain. Set fore and aft sail. Under steam, pressure 38 lbs, and making 44 revolutions. Patent log 83. Aneroid bar. 30.07.

Signed Karl Rohrer. Lieut.  
6 to 8 P.M. Weather clear and pleasant. bright Gentle breeze from E.S.E. Barometer steady. Aneroid at end of watch 30.09. Steam 44. Rev 46. Patent log 97.

Signed C. P. Russ. Lieut.  
8 P.M. to Midnight, Clear and pleasant, bright starlight, Moderate breeze from E.S.E. At 9 set fore and aft sail. At 10 changed course to S. 1/4 E. patent log reading 10.5, Steam 46. Rev 47. Aneroid barometer 30.10. Patent log 29.5.

Signed. W. M. Irwin. Lieut.

Moon L mid  
Dec 18° 24' 32" N.  
Phase. Last Dr.  
Examined and found to be correct.

W. H. Parker  
Lieut. & Navigator.



Making passage from Singapore to Batavia. I of Java.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Lee-way.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8	2	S 1/4 E	SE	3		30.01	83	82	78	82	b	-	10		Fore and aft sail
2	8	6	"	"	3		30.02	83	82	78	82	"	-	10	"	
3	8	0	"	"	2-11		30.02	83	82	78	82	bcd	cir-cum	7	"	
4	8	2	"	"	2-11		30.01	83	82	78	82	"	"	5	"	
5	8	0	"	S.E.	11		30.06	83	82	78	82	bd	"	6	"	
6	4	5	S 1/2 W.	"	11		30.10	82	82	78	82	"	"	5	"	
7	8	0	S 1/4 W.	"	11		30.09	84	82	78	82	"	"	6	"	Hook in fore and aft sail
8	4	0	SSE 1/2 E.	"	11		30.09	84	82	78	82	bcd	circum	5	"	
9	7	8	"	"	11		30.10	83	82	78	82	"	"	6	"	
10	8	0	"	"	11		30.10	83	83	78	82	bc	circum	7	"	
11	8	0	"	"	11		30.10	83	83	78	82	"	"	7	"	
Noon.	8	11	"	"	11		30.08	84	83	78	83	"	"	7	"	

Distance run by Log since preceding Noon

18.4 knots 0 fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

12.50 Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

100 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1600 "

Coal consumed during the preceding 24 hours

16 tons 1160 lbs.

Coal remaining on hand at Noon

97 " 686 "

P. M.																
1	8	0	SE 1/2 E.	SE.	2		30.08	84	83	78	83	bc	circ-cum	8	"	
2	5	11	SE 1/2 E.	"	2		30.06	84	84	78	83	"	circ	8	"	
3	Anchored.	10 1/4 fms.	SE 1/4 W.	"	2		30.01	85	85	79	83	"	"	9	"	
4	"	"	SE.	SE.	2		30.02	85	85	77		"	"	9	"	
5	"	"	"	"	2		30.02	86	86	77		"	circ-cum	8	"	
6	"	"	"	"	2		30.03	86	86	77		"	"	7	M	
7	"	"	"	"	2		30.03	85	84	79		"	circ-cum	6	"	
8	"	"	SE 1/2 E.	"	2		30.05	85	84	79		"	"	6	"	
9	"	"	E	SE.	2		30.08	85	82	78		"	"	5	"	
10	"	"	"	"	2		30.08	83	82	78		"	"	7	"	
11	"	"	E x S.	"	2		30.06	82	82	78		"	"	8	"	
Mid.	"	"	"	"	2		30.06	82	80	78		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>o</sup> Conrick

, U. S. Navy,

Saturday, September 13, 1871.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Clear and pleasant. Light breeze from E.S.E. Smooth sea. Steaming under six boilers. Moon arose, at 12.45. Patent log 64.5. Aneroid 30.10.

Signed. Mainwright Kellogg. Lieut.  
4 to 8 A.M. Clear and pleasant weather. Moderate breeze from S.E. Barometer rising. At 5<sup>00</sup> sighted North Watcher light about 1 1/2 points on starboard bow and by order of Captain changed course to N 1/2 W. patent log 78.12. At 6 changed course to S 1/4 W. patent log 81 knots; at 7 changed course to S 1/2 E. patent log 89 and at 7.30 changed course to S S E 1/4 E patent log 94 knots. the changes of course all by order of the Captain. Passed a Dutch gun boat standing to Wd. Sighted several islands on starboard bow, some of which were in sight at 8. North Watcher light house, about two points abaft starboard beam at 8. Patent log 98 at end of watch. Under steam, pressure 113 lbs. and 47 revolutions. Aneroid barometer 30.16.

Signed. Karl Rohrer. Lieut.  
8 A.M. to Meridian. Weather clear and pleasant. Gentle breeze from S.E. Barometer steady. Standing down to E of the Thousand Islands under direction of the Comdg Officer. At 11<sup>50</sup> passed South Watcher Island bearing E N E, distant 1 1/4 miles. Aneroid 30.12. Steam 114. Rev 49. Patent log 32.

Signed. C. P. Reis. Lieut.  
Meridian to 11 P.M. Clear and warm. Light breeze from S.E. At 1<sup>45</sup> changed course to S by E 1/4 E. patent log 47. At 2.07 to S by E 1/4 E. patent log 50. Standing into Batavia Harbor for an anchorage. Set go post anchor in 5 1/2 faths water, veering to 3 faths chain. Batavia light house S. S. E 1/4 E. Edain lighthouse N by E 1/4 E. Ship's head E.S.E. Received an official visit from Dutchman of war tendering the usual courtesies. Commanding Officer left the ship to pay official visits to the Flagship Leipzig and Guard ship Prince Frederic. Hoisted out steam galleys, Banked fires. Aneroid bar. 30.08. Ship's draft fore 13'3", aft 15'10".

Signed. W. M. Irwin. Lieut.  
11 to 8 P.M. Clear and pleasant. Light breeze from N. and E. Aneroid barometer 30.08. Sent boarding officer to American shipping in port.

Signed. J. J. T. Halpin. Ensign  
8 P.M. to Midnight. Clear and pleasant with light breeze from S.E. Sailing barometer. Banked fires under four boilers. Aneroid 30.08 at end of watch.

Signed. W. J. Fears. Ensign

Moon lined  
Dec. 17° 55' 26" N.  
Phase, Last Qu.

Examined and found to be correct.

W. J. Fears  
Lieut. Navigator.



Steamer *Essex*  
Off Batavia, I. of Java.

31 Rate, 6 Guns.

Hour.	Knots.	Fathoms.	Course steered.	WINDS.		Logway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
	Anchored		E.	SE	1		30.05	82	81	78		bc	bc cum	7		
2	"				1		30.04	81	81	78		"	"	7		
3	"		SxW	SE	2		30.03	80	80	78		"	"	8		
4	"		"	"	1		30.03	81	79	77		"	"	8		
5	"		S	"	1		30.02	83	79	77		bcum	"	7		
6	"		SxS	SE	1		30.05	81	79	77		"	"	7		
7	"		"	SxS	1		30.07	82	80	77		bc	"	7		
8	"		"	"	1		30.08	82	80	77		"	"	7		
9	"		"	Var	0-1		30.10	82	82	80		"	"	7		
10	"		"	"	0-1		30.10	82	82	80		"	"	8		
11	"		NE	N	1		30.10	83	82	80		"	"	7		
Noon.	"		"	"	1		30.08	83	82	80		"	"	7		

Distance run by Log since preceding Noon

16 knots 14 fathoms

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

100 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1200 "

Coal consumed during the preceding 24 hours

3 tons 1280 lbs.

Coal remaining on hand at Noon

93 " 1646 "

P. M.																
1	"		N	N	2		30.05	84	83	81		bc	bc cum	7		
2	"		"	"	2		30.03	84	83	81		"	"	7		
3	"		"	"	3		30.00	85	84	83		"	"	9		
4	"		"	"	3		30.00	85	84	83		"	"	8		
5	"		"	"	3		30.00	85	84	83		"	bc cum	7		
6	"		NE	"	2		30.01	84	84	82		"	"	6		
7	"		"	NE	1		30.03	84	84	81		"	bc cum	5		
8	"		"	"	1		30.05	84	83	79		"	"	6		
9	"		"	"	1		30.05	84	83	79		"	"	6		
10	"		SExS	S	1		30.07	82	82	79		"	"	7		
11	"		"	"	1		30.07	82	82	79		"	"	7		
Mid.	"		"	"	1		30.07	81	82	79		"	"	7		

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. McCormick  
Sunday, September 11.

, U. S. Navy,  
1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Weather clear and pleasant, Light airs from S.E. to E.S.E. Barometer falling slowly. Fires banked under two boilers. Aneroid barometer 30.08.

Signed. Karl Rohrer. Lieut.

11 to 8 A.M. Clear and pleasant, slightly misty first two hours. At 6 hoisted colors, following motions of Dutch Flagship. A Dutch steamer left the harbor, light airs from E.S.E. to S by E. Aneroid barometer 30.15. Received official visit from officer from Dutch Flagship; and in compliance with his request, dressed ship at mast head Dutch flag at the main in honor of the birthday of the Princess Henriette of the Netherlands.

Signed. A. O. Bitter. Ensign

8 A.M. to Meridian. Weather clear and warm, Light variable airs, and calms. Barometer steady. Mustered at quarters at 9.30. At 10. an officer from the Dutch man of war Prince Frederic visited the ship officially as the representative of his Comdg Officer, absent with leave. Started fires for distilling at 9.00. Aneroid at end of watch 30.11.

Signed. A. P. Rees. Lieut.

Meridian to 11 P.M. Clear and warm, Light Nly breeze. Falling barometer, Commenced distilling at 12.05. Aneroid at end of watch 30.06.

Signed. W. S. Hammum. Ensign

11 to 8 P.M. Pleasant weather. Light breeze from N. hawling to N.N.E. Distilling. Sent out steam cutter and picked up a lighter that had got adrift from shore, secured it astern to await a claimant. Aneroid bar. 30.08.

Signed. W. M. Irvine. Lieut.

8 P.M. to Midnight, Clear and pleasant, Light airs from N.N.E. to S. Distilling. Aneroid 30.12.

Signed. Mainwright Kellogg. Lieut.

Moon Laid  
Dec 16° 25' 47" N.  
Phase. Last Dr.  
Examined and found to be correct.

M. H. Parson  
Lieut. & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
	Anchored		S x W	S x W	1		30.04	80	79	76		bc	Cir Cum	6	S	
2	"		"	"	2		30.04	80	79	76		"	"	6	"	
3	"		S. S. W.	"	2		30.01	79	79	76		"	"	7	"	
4	"		"	"	2		30.01	79	78	75		"	"	7	"	
5	"		"	S E	1		30.04	79	78	75		"	"	6	"	
6	"		"	"	1		30.06	79	78	75		bc	"	6	"	
7	"		S. S. E.	"	1		30.08	80	78	75		"	"	6	"	
8	"		"	"	1		30.07	80	78	75		"	"	6	"	
9	"		"	"	1		30.10	80	80	78		bc	"	6	"	
10	"		N E	N. N. E.	1		30.10	83	82	79		"	"	8	"	
11	"		"	"	1		30.10	84	87	79		"	"	8	"	
Noon.	"		"	"	1		30.08	85	87	79		"	"	8	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

1100 gallons.

Water distilled during the preceding 24 hours

2400 "

Water remaining on hand fit for use at Noon

3200 "

Coal consumed during the preceding 24 hours

3 tons 880 lbs.

Coal remaining on hand at Noon

90 " 766 "

P. M.																
1	"		N E.	N. N. E.	1		30.05	85	87	79		bc	Cir Cum	8	"	
2	"		N x W 3/4 W	N E	2		30.02	84	85	79		"	"	6	"	Set head sails
3	"		"	N.	3		30.01	82	83	79	84	"	"	5	"	main topsail
4	"		N x W 1/2 W	N. N. W.	3		30.01	82	82	78	84	"	Cir Cum	3	"	fore sail
5	3	5	N x W 1/2 W	N x W	3		30.00	82	81	77	84	"	"	11	"	
6	7	6	"	"	2		30.00	83	81	77	84	"	"	5	"	bottom fore sail
7	7	0	"	Calms	0		30.01	83	81	77	84	bc	"	6	"	fore and aft sail
8	7	4	"	"	0		30.07	83	81	77	84	"	"	6	"	
9	3	5	S x W 1/2 W	S	2		30.08	85	83	77	84	bc	Cir Cum	8	"	
10	5	2	S x W 1/2 W	"	3		30.09	84	82	77	84	"	"	8	"	
11	7	5	"	"	4		30.10	84	81	78	84	"	Cir	9	"	Set fore and aft sail
Mid.	7	5	"	"	5		30.11	84	80	78	84	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander A. H. M. Cornick

, U. S. Navy,

Monday, September 15

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and pleasant with light breeze from S by W. Falling barometer. Distilling. Aneroid 30.08 at end of watch.

Signed. W. J. Fears.

Ensign

11 to 8 A.M. Clear and pleasant weather. Light airs from S.E. Barometer rising. Received three coal lighters, along side. Distilling water. Aneroid barometer 30.15. Loosed sail.

Signed. Karl Rohrer.

Lieut

8 A.M. to Meridian. Clear and warm. Light airs from S.E. to N.E. coaling ship. Making preparations for sea. Received official visit from Commanding Officer of Dutch Flagship. Aneroid barometer 30.10.

Signed. R. O. Bitter.

Ensign.

Meridian to 11 P.M. Weather clear and pleasant. Gentle breeze from N. and E. to S. and W. Got underway at 1.30 and stood out of Batavia Roads under direction of Commanding Officer, and bound via Straits of Sunda for Mozambique, East Africa. Draft of water, fore 14' 1", aft 16' 1". At 2.25 set head sails. At 3 set main topsail and spanker. At 3.25 set foresail. At end of watch St Combray St bore S W 1/2 S, distant 3 1/4 miles. Aneroid 30.04. Steam 114, Revs 114, Patent-log 56.

Signed.

C. P. Rees.

Lieut

11 to 6 P.M. Pleasant weather. Gentle breeze from N by W. Smooth sea. Steaming along northern coast of Sumatra under guidance of Commanding Officer. At 11.35 changed course to N by N. patent-log 61. at 11.55 to N 1/2 N. patent-log 63. Steam 38 lbs. Revs 43. Aneroid barometer 30.07. Went to quarters at 11.45 and made out clothing requisitions.

Signed.

W. M. Irwin.

Lieut

6 to 8 P.M. Slightly hazy. Balm. At 6.00 took in foresail, and all fore and aft sail. Standing towards Anjer Straits. Land in sight on port bow and beam. At end of watch Nicholas Point bore abeam. (Port) distant about two miles. Patent-log 87 1/2. Aneroid 30.16.

Signed.

Wainwright Kellogg

Lieut

8 P.M. to Midnight. Clear and pleasant weather. Light to fresh breeze from South. Barometer rising. Smooth sea. Under steam and fore and aft sail. Steam 36. Revs 39. At 8.05 changed course to S W 1/2 S. patent-log 88. at 8.33 to S W 3/4 S. patent-log 91.5 and at 9.15 to S W 1/2 N. patent-log 96. all changes of course by order of Captain. Standing through Sunda Straits Captain directing the course. Patent-log at end of watch 17 knots. Aneroid barometer 30.12.

Signed

Karl Rohrer

Lieut

Monk and  
Dec  
Phase

Examined and found to be correct.

W. H. Parker  
Lieut Navigator.



LOG of the UNITED STATES *Steamer "Ceres"* 3d Rate, 6 Guns,  
*Making passage from Batavia, Java to Mozambique, East Africa*

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.	11 0		<i>SW by S.</i>													
1	14 0		<i>WSW</i>	<i>S.</i>	11		30.07	85	80	78	81	<i>bcl</i>	<i>circum</i>	8	<i>S</i>	<i>Set fore sail &amp; fore top sail</i>
2	8 11		"	"	11		30.06	83	80	78	81	"	"	8	"	
3	8 11		"	"	11		30.06	80	80	78	81	"	"	8	"	
4	8 6		"	"	11		30.06	80	80	77	81	"	"	5	"	
5	9 0		"	<i>SS E</i>	11		30.01	80	80	76	81	"	"	3	"	
6	8 0		"	"	11		30.03	80	79	76	81	<i>bc</i>	<i>circum</i>	11	"	
7	7 0		"	<i>SE</i>	11		30.06	80	79	76	81	"	"	2	"	
8	6 6		"	"	11		30.10	80	79	76	81	"	<i>circum</i>	11	"	
9	6 0		"	"	11		30.11	80	80	76	81	"	"	5	"	<i>Set top gall sails</i>
10	3 5		"	"	11		30.12	81	81	77	81	"	"	6	"	<i>Took in all sail</i>
11	11 0		"	"	11		30.12	81	81	77	81	"	"	6	"	<i>Set fore sail &amp; spanse</i>
Noon.	6 0		"	"	11		30.11	81	81	76	81	"	"	6	"	<i>Set fore sail</i>

Distance run by Log since preceding Noon

142 knots 3 tenths fathoms.

Latitude by D. R. at Noon

6° 47' 24" S

Longitude by D. R. at Noon

104° 15' 30" E

Latitude by Observations at Noon ☉

6° 51' 30" S

Longitude by Chronometer from Forenoon Observations ☉

104° 00' 00" E

Current during the time / knots — fms. per hour, setting to the

S 80° W.

Variation of the Compass by Amplitude ☉ observed at Sunrise

0 — "

Variation of the Compass by Azimuth ☉ observed at 8 AM.

2° 00' 00" E

Water expended during the preceding 24 hours

1100 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2800 "

Coal consumed during the preceding 24 hours

10 tons 1180 lbs.

Coal remaining on hand at Noon

142 " 1826 "

P. M.																
1	5 5		<i>WSW</i>	<i>S. S. W.</i>	11		30.08	82	82	77	81	<i>bc</i>	<i>Pir. Cum</i>	11	"	<i>Main sail to top gall</i>
2	6 5		"	"	11		30.08	85	81	78	81	"	"	11	"	<i>except main top gall</i>
3	6 8		"	"	11		30.07	84	81	78	81	"	"	11	"	
4	6 6		"	"	11		30.07	84	81	78	83	"	"	3	"	<i>Made sail to royals</i>
5	6 0		"	<i>SE &amp; S</i>	11		30.07	81	81	77	83	"	<i>Pir. Cum</i>	11	"	<i>Set port &amp; main sails</i>
6	6 0		"	"	11		30.07	81	81	77	83	"	<i>Pir. Cum</i>	6	"	<i>Set lower</i>
7	5 8		"	"	11		30.07	81	80	76	83	"	"	6	"	
8	5 11		"	"	11		30.07	81	80	76	80	<i>bcl</i>	"	7	"	
9	5 11		"	"	11		30.07	81	80	76	80	"	"	8	"	
10	5 6		"	"	11		30.09	81	80	76	80	"	"	8	"	<i>Set main sail. Took</i>
11	6 0		"	"	11		30.10	80	80	76	80	<i>bc</i>	"	9	"	<i>in main top sail</i>
Mid.	6 0		"	"	11		30.10	80	80	76	80	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

103° 55' 00" E

Longitude by Chronometer from Observations \*

0 " "

Variation of the Compass by Amplitude observed at Sunset

0 " "

Variation of the Compass by

at

0 " "



under the command of *Commander A. S. W<sup>c</sup> Conrick*  
*Tuesday, September 16<sup>th</sup>*

, U. S. Navy,  
, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

*Commences, and until 4 A.M. Weather partly cloudy, and pleasant, Gentle breeze from Sd. Barometer steady. Changed course at 12.30 to WSW Patent log 21.3 At 1.35 set foresail and foretopsail. Aneroid, at end of watch 30.12. Steam 44. Rws 45. Patent log 53.*

*Signed. C. P. Russ. Lieut*  
*4 to 8 A.M. Pleasant weather. Moderate breeze from S. S. E. hauling to S. E. Sea smooth. At 5.30 hauled fires under distilling boilers. Steam 38 lbs. Rws 44. Patent log 82.5. Aneroid 30.15. At 7.20 sent down main top-gallant yard, and unbent main top gallantsail for repairs.*

*Signed. W. M. Irwin. Lieut*  
*8 A.M. to Meridian. Clear and warm. Slight to moderate breeze from S. E. Moderate sea. At 9.30 went to general quarters and fired at target: expended in Ordnance Department 125 lbs hexagonal powder, 120 lbs cannon powder, 40 lbs rifle powder, 5 tin shells, and 5 percussion fuzes, 12 tin shells, 5 fuzes. At 10.15 secured, and stood off on course. Under steam and all fore and aft sail, except spanker. Riving off new braces. Patent log at end of watch 83.5 knots. Steaming under four boilers. Aneroid 30.15.*

*Signed. Mainwright Kellogg. Lieut*  
*Meridian to 11 P.M. Partly cloudy. Pleasant weather. Moderate S. S. E. breeze. Slight fall in barometer. Crossed light yards, and made sail to royals. At 11<sup>45</sup> stopped steaming, hauled fires, and uncoupled propellers. Patent log at end of watch 10.6 miles. Aneroid barometer 30.12.*

*Signed. W. G. Hannum. Ensign*  
*11 to 6 P.M. Weather clear and pleasant. Moderate breeze from S. E. by S. Barometer steady. Under sail. Sea smooth. Lowered smokestack, and made preparations to bend the mainsail. Aneroid barometer 30.13.*

*Signed. Karl Rohrer. Lieut*  
*6 to 8 P.M. Weather partly cloudy and pleasant. Gentle breeze from S. E. by S. Barometer steady. At 7.10 bent and set mainsail with single reef. At 7.15 took in main trysail. Aneroid, at end of watch 30.18. Patent log 34.7.*

*Signed. C. P. Russ. Lieut*  
*8 P.M. to Midnight. Clear and pleasant with stationary barometer and gentle breeze from S. E. by S. Vessel on course throughout watch and heading W. S. W. Patent log 58.5. Aneroid barometer 30.20.*

*Signed. M. J. L. Halpin. Ensign*

*Moored mid* Examined and found to be correct.  
*Dec 10° 30' 38 N.*  
*Phase. Last Dr.*

*W. H. Parker*  
*Lieut & Navigator.*



LOG of the UNITED STATES

Steamer "Essex"

3d Rate, 6 Guns,

Making passage from Batavia, Java to Mozambique East Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	7 0	WSW	SE by S	11			30.10	80	80	77	80	bcl	ci cum	8	S	Main sail to voyal
2	7 6	"	"	5			30.10	80	80	77	80	"	"	6	"	Port stunsail & masts
3	7 6	"	"	5			30.08	80	80	77	80	"	"	7	"	lower.
4	8 0	"	"	5			30.07	80	80	77	80	"	"	7	"	
5	8 0	"	"	5			30.05	80	80	77	80	"	"	7	"	
6	7 8	"	"	5			30.05	80	80	76	80	bc	ci cum	5	"	
7	7 8	"	"	11			30.07	80	80	76	80	"	"	5	"	
8	7 6	"	"	11			30.10	81	80	76	80	"	"	5	"	
9	7 2	"	SE	11			30.10	81	79	76	82	"	ci cum	6	"	
10	8 0	"	"	11			30.10	81	79	76	82	"	"	6	"	
11	8 11	"	"	11			30.10	81	79	76	82	"	"	11	"	
Noon.	10 0	"	"	11			30.10	81	79	76	82	"	"	11	"	Took in spantree

Distance run by Log since preceding Noon

166 knots 6 fathoms.

Latitude by D. R. at Noon

7° 57' 18" S

Longitude by D. R. at Noon

101° 20' 00" E

Latitude by Observations at Noon ☉

7° 39' 00" S

Longitude by Chronometer from Forenoon Observations ☉

100° 51' 00" E

1249 Current during the time 1 1/2 knots — fms. per hour, setting to the

N 58° W.

Variation of the Compass by Amplitude ☉ observed at Sunrise

0° 00' 00"

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

1° 30' 00" E

Water expended during the preceding 24 hours

1400 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

21400 "

Coal consumed during the preceding 24 hours

tons 440 lbs.

Coal remaining on hand at Noon

11 1/2 " 11 1/26 "

P. M.																
1	11 1	WSW	SE	11			30.07	82	82	76	82	bc	ci cum	5	M	
2	7 8	"	"	11			30.05	81	81	76	82	"	"	11	"	
3	8 11	"	"	11			30.04	81	81	76	82	"	"	11	"	
4	8 11	"	"	11			30.03	81	80	76	82	"	"	3	"	
5	8 11	"	SE & S	11			30.01	81	80	77	82	"	"	3	"	
6	8 5	"	"	5			30.03	81	80	77	82	"	"	2	"	
7	9 0	"	"	5			30.03	81	80	77	82	bc	ci cum	0	"	
8	9 11	"	"	5			30.04	81	79	75	82	bc	"	3	"	
9	9 0	"	"	5			30.05	80	79	75	82	"	"	3	"	
10	9 0	"	"	5			30.05	80	79	75	82	bc	"	0	"	
11	10 0	"	"	5-6			30.05	80	78	75	82	bc	"	1	"	
Mid.	9 4	"	"	5-6			30.05	80	78	75	82	"	"	2	"	

Longitude by Chronometer from Afternoon Observations ☉

0° 00' 00"

Longitude by Chronometer from Observations \*

0° 00' 00"

Variation of the Compass by Amplitude observed at Sunset

0° 00' 00"

Variation of the Compass by

at

0° 00' 00"



under the command of

Commander A. A. M<sup>o</sup> Conrick

, U. S. Navy,

Wednesday September 17

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and pleasant, bright starlight, Fresh south-east trades. Moderate sea. Aneroid barometer 30.16. Pat log 9.

Signed.

W. M. Irwin.

Lieut

11 to 8 A.M. Clear and pleasant. Moderate breeze from S.E. by S. Smooth sea. Patent log 22.5. Aneroid 30.20.

Signed. Wainwright Kellogg.

Lieut

8 A.M. to Meridian. Partly cloudy. Pleasant weather. Moderate S.E. breeze. Barometer steady. Vessel on course N.W. at end of watch. Patent log at end of watch 55 miles. Aneroid barometer 30.05.

Signed.

W. G. Harman.

Ensign

Meridian to 11 P.M. Weather clear and pleasant. Moderate breeze from S.E. Moderate sea running ship riding it easily. At 12.30 Changed course to S.W. by W. by order of Captain. Cleaning bilges. Aneroid barometer 30.10. Patent log at end of watch 87.7 knots.

Signed.

Karl Rohrer.

Lieut

11 to 6 P.M. Weather cloudy and pleasant. Fresh breeze from S.E. by S. Barometer steady. Mustered at quarters at 11<sup>45</sup>. At 5<sup>00</sup> took in topgallant stunsails. Carried away main topgallant yard arm owing to defect in wood. Aneroid at end of watch 30.11.

Signed.

C. P. Rues.

Lieut

6 to 8 P.M. Cloudy and damp with fresh breezes from S.S.W. Ship on her course throughout watch heading S.W. by W. by W. Moderate sea. Aneroid barometer 30.14. Patent log 24 miles.

Signed.

A. J. L. T. Halpine. Ensign

8 P.M. to Midnight. Cloudy and cool. Fresh breeze from S.E. by S. Moderate sea. At 11.05 took in fore topmast stunsail. Aneroid barometer 30.15. Patent log 61.

Signed.

W. M. Irwin.

Lieut

Moon & mid  
Dec 6. 40° 57' N  
Phase. Last Qr.

Examined and found to be correct.

W. J. Parker  
Lieut & Navigator.



Making passage from Batavia, Java, to Mozambique, East Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	9 0		SW x N 1/2 W	SE	5		30.05	79	78	74	80	bc	Air Cum 3 cum	2	M	Main sail to royals
2	8 11		"	"	5		30.04	79	78	75	80	"	"	1	"	except on topsail and
3	8 2		"	SE	5		30.02	79	78	75	80	"	"	1	"	spanker. Single reef
4	8 6		"	"	5		30.02	79	78	75	80	"	"	1	"	in main sail
5	8 0		"	"	5		30.01	79	79	75	80	ocd	"	0	"	Took in royals and
6	7 5		"	"	11		30.00	80	79	75	80	oc	"	0	"	flying jib.
7	7 6		"	SE	4.5		30.01	80	79	75	80	ocd	"	0	"	
8	8 0		"	"	4.5		30.02	80	79	75	82	oc	Air Cum 3 cum	0	"	
9	8 5		"	"	11		30.03	80	79	74	82	"	"	0	"	
10	8 8		"	"	5		30.05	80	79	74	82	bc	"	1	"	
11	8 8		"	SE	5		30.05	80	79	74	82	"	Cum strat	3	"	
Noon.	10 5		"	"	5		30.05	80	79	74	82	"	"	1	"	

Distance run by Log since preceding Noon

208 knots 11 tenths fathoms

Latitude by D. R. at Noon

9° 17' 31" S

Longitude by D. R. at Noon

97° 47' 18" E

Latitude by Observations at Noon ☉

9° 03' 29" S

Longitude by Chronometer from Forenoon Observations ☉

97° 11' 00" E

Current during the time 1.57 knots — fms. per hour, setting to the

N. 69° W.

1248 Variation of the Compass by Amplitude ☉ observed at Sunrise

— " —

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

1° 00' 00" E.

Water expended during the preceding 24 hours

1100 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2000 "

Coal consumed during the preceding 24 hours

tons 1100 lbs.

Coal remaining on hand at Noon

142 " 1026 "

P. M.																
1	11 3		SW x N 1/2 W	SE	5.6		30.02	80	79	73	82	bc	Air Cum 3 cum	2	M	
2	8 8		"	"	5.6		29.98	80	78	73	82	"	"	1	"	
3	8 8		"	"	5.6		29.98	80	78	73	82	"	"	1	"	
4	8 8		"	"	5.6		29.98	80	78	73	82	"	"	2	"	
5	8 8		"	"	5		29.98	80	78	73	82	bc	Air Cum 3 cum	2	"	
6	8 2		"	"	5		29.98	79	78	73	82	"	"	1	"	
7	7 2		"	"	5		30.00	79	78	73	82	"	"	2	"	
8	9 0		"	"	5		30.01	79	78	73	82	"	"	1	"	
9	8 6		"	"	5		30.01	79	78	73	82	"	"	3	"	
10	9 0		"	"	5		30.01	79	78	73	82	"	Air Cum 3 cum	11	"	
11	8 6		"	"	5		30.01	79	78	73	82	"	"	2	"	
Mid.	8 4		"	"	5		30.01	79	78	73	82	"	"	3	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of *Commander A. H. M<sup>c</sup> Cormick*  
*Thursday September 18*

, U. S. Navy,  
1871.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 4 A.M. Cloudy. Pleasant. Moderate breeze from S.E. to S.S.E. Moderate sea. Patent log 94.8. Aneroid 30.11.

Signed. *Wainwright Kellogg* Lieut

4 to 8 A.M. Cloudy. Drizzling rain at times. Moderate to fresh S.S.E. and S by E. breezes. Barometer steady. At 4.30 took in and furled royals. Vessel on course S.W. by W. 1/4 W. at end of watch. Pat. log 26.14. Aneroid bar 30.11.

Signed. *W. G. Hammond* Ensign

8 A.M. to Meridian. Weather pleasant though somewhat cloudy. Breeze moderate to fresh from S by E to S.S.E. Barometer rising. Moderate sea which ship rides easily. Set up fore top gallant and royal backstays. Mustered and inspected at quarters at 9.15. By order of Captain confined Jacob Walhiser (P.M.) in double irons for ten days for insubordination. Repairing main topsail sheets. Patent log at end of watch 65. Aneroid barometer 30.15.

Signed. *Karl Rohrer* Lieut

Meridian to 4 P.M. Weather cloudy and pleasant; fresh breeze from S.S.E. Barometer steady. Aneroid at end of watch 30.08. Changed course at 12.30 to W.S.W. Patent log 69.6.

Signed. *B. P. Aus* Lieut

4 to 6 P.M. Cloudy and damp with stationary barometer and fresh breeze from S.S.E. At 4.45 mustered at quarters. At 6<sup>20</sup> took in fore top gallant sail for repairs, and took single reef in topsails. Vessel on her course at end of watch heading W.S.W. Aneroid barometer 30.11. Patent log 19.

Signed. *A. J. L. Halpine* Ensign

6 to 8 P.M. Cloudy with fresh breezes from S.S.E. Moderate sea. At 6<sup>20</sup> took in main top gallant sail; shook reefs out of topsails and set top gallant sails. Aneroid barometer 30.14. Patent log 36.6.

Signed. *W. M. Irwin* Lieut

8 P.M. to Midnight. Clear and pleasant. Moderate to fresh breeze from S.S.E. Moderate sea. Patent log 73. Aneroid 30.15.

Signed. *Wainwright Kellogg* Lieut

Moon ended. Examined and found to be correct.  
Dec 2° 34' 34" 76  
Phase. Last Qu.

*W. H. Parker*  
Lieut & Navigator.



LOG of the UNITED STATES

Steamer "Essex"

3d Rate, 6 Guns,

Making passage from Batavia, Java to Mozambique, East Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
<i>S</i> 9 <sup>46</sup>	1	8 5	<i>MSH</i>	<i>SE</i>	4.5		30.03	79	78	71	82	<i>bcg</i>	<i>cum</i>	6	<i>M</i>	
<i>E</i> 9 <sup>50</sup>	2	8 5	"	"	4.5		30.01	79	78	71	82	"	"	7	"	
	3	9 0	"	"	4.5		29.98	78	77	71	82	"	"	7	"	
	4	9 5	"	"	4.5		29.98	78	77	71	82	"	"	7	"	
	5	9 0	"	"	5		29.99	78	77	71	82	<i>bc</i>	<i>dis</i>	9	"	
	6	8 5	"	"	5		30.00	78	77	72	81	"	"	8	"	
<i>S</i> 10 <sup>00</sup>	7	8 5	"	<i>SE x S</i>	5		30.00	78	77	72	81	"	<i>dis and cum</i>	7	"	<i>Set royal &amp; flying jib</i>
<i>E</i> 9 <sup>40</sup>	8	8 5	"	<i>SE</i>	5		30.01	77	78	74	81	"	"	7	"	<i>port of top &amp; sun sail</i>
	9	8 8	"	<i>SE x S</i>	5		30.02	78	79	76	81	"	"	7	"	
	10	8 8	"	"	5		30.01	80	79	76	81	"	"	6	"	<i>Look in flying jib</i>
	11	8 5	"	"	5		30.06	80	79	76	81	"	"	7	"	
Noon.	12	2	"	"	5		30.06	80	79	76	81	"	"	6	"	<i>Look in port of top &amp; sun sail</i>

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time 0.92 knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

209 knots 1 tenth fathoms.

10° 27' 00" E

93° 47' 00" E

10° 19' 00" E

93° 27' 00" E

N 65° W

0° 00' 00" E

00° 00' 00" E

350 gallons.

"

2650 "

tons 400 lbs.

142 " 626 "

P. M.																
	1	8 0	<i>MSH</i>	<i>SE x S</i>	5		30.02	80	80	80	81	<i>bc</i>	<i>dis cum</i>	5	<i>M</i>	
	2	8 5	"	"	5		30.00	80	81	80	81	"	<i>dis cum</i>	11	"	
	3	8 8	"	"	5		30.00	80	81	80	81	"	"	3	"	
	4	8 14	"	"	5		30.00	80	79	79	81	"	"	3	"	
	5	8 2	"	"	5		30.00	80	78	78	81	"	"	5	"	
	6	8 11	"	"	5		30.00	80	78	78	81	"	"	11	"	
<i>S</i> 10 <sup>46</sup>	7	8 6	"	<i>SE</i>	5		30.00	80	78	79	81	"	<i>dis cum</i>	11	"	
<i>E</i> 9 <sup>20</sup>	8	9 0	"	"	5		30.05	80	78	79	81	<i>bop</i>	"	3	"	
	9	8 5	"	"	5		30.01	80	78	79	81	"	<i>dis</i>	9	"	
	10	8 0	"	"	5		30.06	81	78	79	81	"	"	9	"	
	11	8 0	"	"	5		30.06	81	78	79	81	"	<i>dis cum</i>	8	"	
Mid.	7 5	"	"	"	5		30.06	81	78	79	81	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander A. H. McCormick  
Friday September 19th

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Clear and pleasant, Bright starlight  
Moderate and fresh S.E. breeze. Falling barometer. Vessel on course W.S.  
W. at end of watch. Patent log 8.7. Aneroid barometer 30.10.

Signed. W. G. Hannum. Ensign.

11 to 8 A.M. Clear and pleasant weather. Fresh breeze from S.E. to S.E.  
Barometer rising slowly. Aneroid barometer 30.14. Patent log 144.5 knots.

Signed. Karl Rohrer. Lieut.

8 A.M. to Meridian. Weather clear and pleasant. Fresh breeze from S.E. by  
S. Barometer steady. By order of Commanding Officer Peter Cannon (C.O.)  
is rated Coxswain. Oscar Smith (Sea) is rated Captain of Top, and A.C.  
Anderson (Cox) is rated Seaman. Geo. W. Jones (C.O.) is given 10 hours extra  
duty (in port) for absenting himself from studies. Mustered, at quarters  
at 9.30, and exercised boarders, at pistol drill and signal class, at signal-  
ling. At 9.36 took in flying jib, and at 11.15 took in fore topmast stay-sail.  
Aneroid, at end of watch 30.14. Patent log 83.6.

Signed. B. P. Aus. Lieut.

Meridian to 11 P.M. Fair, cool and pleasant, with stationary barometer  
and fresh breezes from Sd and Ed, moderating toward end of watch. In-  
structed apprentices in English studies. Vessel on her course, heading  
W.S.W. throughout watch, Patent log 19.6. Aneroid barometer 30.09. Ex-  
pended by loss one log chip.

Signed. A. J. I. Halpine. Ensign

11 to 6 P.M. Pleasant weather. Fresh breeze from S.E. by S. Moderate sea.  
Mustered at quarters at 11.45. At 11.55 took on reef in topsails and took in  
fore topmast stunsail. At 11.50 shook reef out of topsails and set fore-  
topmast stunsail. Aneroid barometer 30.16.

Signed. W. M. Irwin. Lieut.

6 to 8 P.M. Cloudy. Drizzling rain last half hour of watch. Moderate breeze  
from S.E. Moderate sea. At 7 set top gallant stunsails. Patent log 54.8 knots.  
Aneroid 30.13.

Signed. Mainwright Kellogg. Lieut.

8 P.M. to Midnight. Clear and pleasant. Light S.E. breeze. Slight rise  
in barometer. Moderate sea. Vessel on course W.S.W. at end of watch. Pat-  
ent log 88.3. Aneroid barometer 30.14.

Signed. W. G. Hannum. Ensign

Moonland  
Dec 1° 34' 40" S.  
Phase. New moon.

Examined and found to be correct.

W. J. Parker  
Lieut. & Navigator.



Making passage from Batavia Java. to Mozambique East Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8 0		W S W	S. E.	5		30.03	80	78	79	81	bc	cum & cir cum	7	M	by sails, jib fore
2	8 0		"	"	5		30.03	80	78	79	81	"	"	8	"	loft staysail
3	8 0		"	"	5		30.03	80	78	79	81	"	"	8	"	
4	8 0		"	"	5		30.00	80	78	79	81	"	"	8	"	look in topgalls
5	7 5		"	S. S. E.	4-6		30.00	79	77	79	81	bcpq	"	11	"	and royals
6	7 2		"	"	4-6		30.00	79	77	79	81	"	"	3	"	
7	7 5		"	"	4-5		30.00	79	77	79	81	"	"	2	"	
8	7 5		"	"	5		30.00	79	77	79	81	bcp	"	5	"	Set fore topstaysail
9	8 0		"	"	5		30.02	78	77	75	81	bc	"	5	"	
10	8 0		"	"	5		30.04	78	77	75	81	"	"	6	"	
11	8 0		W S W 1/2 W	S. E.	5		30.04	78	77	75	81	"	"	6	"	
Noon.	9 6		W S W 1/4 W	"	5		30.04	78	78	75	81	"	"	6	"	

Distance run by Log since preceding Noon

194 knots 6 tenths fathoms.

Latitude by D. R. at Noon

11° 36' 29" S

Longitude by D. R. at Noon

90° 16' 00" E

Latitude by Observations at Noon ☉

11° 29' 00" S

Longitude by Chronometer from Forenoon Observations ☉

90° 04' 00" E

Current during the time 0.58 knots — fms. per hour, setting to the

N 57° W

1279 Variation of the Compass by Amplitude ☉ observed at Sunrise

0° 00' 00"

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

1° 00' 00" W

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2300 "

Coal consumed during the preceding 24 hours

tons 1400 lbs.

Coal remaining on hand at Noon

142 " 226 "

90° 00' P. M.																
1	8 2		W 1/2 S	S. E.	5		30.04	78	78	75	81	bc	cum & cir cum	6	M	Set fore topgallsail
2	8 0		"	"	5		30.05	80	79	75	81	"	"	5	"	
3	7 8		"	"	11		30.05	80	79	75	81	"	"	5	"	
4	8 0		"	"	11		30.05	80	79	75	81	"	"	14	"	
5	8 0		"	"	14		30.05	80	79	74	81	"	"	5	"	
6	8 6		"	"	14		30.05	80	79	74	81	"	"	5	"	look in fore topstaysail
7	8 5		"	"	14		30.05	79	79	74	81	"	"	14	"	
8	8 5		"	"	14		30.06	79	79	74	81	"	"	5	"	
9	8 5		"	S. E.	5		30.07	78	78	74	81	bcp	cir cum	5	"	
10	8 5		"	"	5		30.07	78	77	73	81	bc	cir cum	7	"	
11	8 5		"	"	5		30.07	78	77	73	81	"	"	8	"	
Mid.	8 5		"	"	5		30.07	78	77	73	81	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

0° 00' 00"

Longitude by Chronometer from Observations

\*

0° 00' 00"

Variation of the Compass by Amplitude observed at Sunset

0° 00' 00"

Variation of the Compass by

at

0° 00' 00"



under the command of

Commander A. H. M<sup>r</sup> Cornick

, U. S. Navy,

Saturday, September 20, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather clear and pleasant. Fresh breeze from S.E. Barometer falling slowly. Under sail. Moderate sea running which ship rides easily. Aneroid barometer 30.10. Patent-log 20.5 knots.

Signed. Karl Rohrer.

Lieut

11 to 5 A.M. Weather cloudy and squally with wind variable and fitful from Sd and Ed. Barometer steady. Frequent showers of rain clearing last hour of watch. At 11.20 took in topgallant stunsails and royals. At 11.45 set royals. At 5.15 took in fore topmast stunsail. At 6.15 took in main topgallant sail and royal sent down topgallant yard, unbent sail for repairs, and at 7.30 crossed topgallant yard with new sail bent. At 7.50 set fore topmast staysail. Aneroid 30.15. Patent-log 50.11 knots.

Signed. G. P. Ains.

Lieut

8 A.M. to Meridian. Fair and pleasant with stationary barometer, and fresh breezes from Sd and Ed. At 8.15 set maintopgallant sail and royal. Vessel off her course last two hours. Full and by. Aneroid barometer 30.10. Patent-log 86. Rove off new main topsail halliards.

Signed. N. J. L. J. Halpine.

Ensign

Meridian to 1 P.M. Weather partly cloudy. Fresh breeze from S by E. slightly moderating latter part. Moderate sea and ship rolling deeply at times. At 12. Changed course to W 1/2 S. At 12.20 set fore topgallant sail. Reenlisted Fred<sup>r</sup> Christofferson for three years, as seaman under an honorable discharge, and rated him Captain of the Hold. Aneroid barometer 30.12. Patent-log at end of watch 21.3 knots.

Signed.

W. M. Irwin.

Lieut

4 to 6 P.M. Clear and pleasant. Fresh breeze from S by E. Moderate sea. At 4.45 mustered at quarters. At 4.50 called all hands. took in fore topmast stunsails and took single reef in topsails and furled royals. At 4.55 shook reef out of topsails, made sail to royals and set fore topmast stunsail. Patent-log 36. Aneroid barometer 30.17.

Signed. Wainwright Kellogg.

Lieut

6 to 8 P.M. Partly cloudy. Pleasant weather. Moderate S by E breeze. Steady barometer. Moderate sea. Vessel on course W 1/2 S. at end of watch. Patent-log 56.5. Aneroid barometer 30.17.

Signed. W. E. Hammon.

Ensign

8 P.M. to Midnight. Clear and pleasant weather. Fresh breeze from S.E. Barometer steady. Light passing showers first hour of watch. Aneroid barometer 30.18. Patent-log 90.11 knots.

Signed Karl Rohrer.

Lieut

Moon Laid Examined and found to be correct.  
Dec 5° 34' 28" S.  
Phase. New moon.

W. J. Parson  
Lieut. Navigator.



Making passage from Batavia, Java, to Mozambique, East Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8 0		W 1/4 S.	SSE.	5		30.07	79	78	74	81	bc	cir cum	7	M	Plain sail, jib and
2	8 0		"	"	5		30.06	79	78	74	81	"	"	6	"	for top & staysail
3	8 2		"	Sby E.	5		30.05	79	78	74	81	"	"	8	"	
4	8 2		"	"	5		30.04	78	78	74	81	"	"	8	"	
5	8 0		"	"	5		30.04	79	77	73	81	"	"	7	"	
6	8 0		"	"	5		30.04	79	77	73	81	"	"	6	"	
7	8 0		"	"	5		30.05	79	77	73	81	"	"	6	"	
8	8 0		"	"	5		30.07	79	77	73	80	"	"	5	"	
9	8 0		"	"	5		30.10	78	78	73	80	"	"	6	"	
10	7 11		"	"	11		30.10	78	78	73	80	"	"	6	"	
11	7 0		"	"	11		30.10	78	78	74	80	"	"	11	"	
Noon.	8 5		"	"	11		30.10	78	78	74	80	"	"	5	"	Set for top & gall & staysails

Distance run by Log since preceding Noon

194 knots 9 <sup>leagues</sup> fathoms.

Latitude by D. R. at Noon

11° 49' 00" S.

Longitude by D. R. at Noon

86° 36' 00" E.

Latitude by Observations at Noon ⊙

11° 50' 00" S.

Longitude by Chronometer from Forenoon Observations ⊙

86° 32' 00" E.

Current during the time knots fms. per hour, setting to the

4.

Variation of the Compass by Amplitude ⊙ observed at Sunrise

0 " "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M.

1° 30' 00" W.

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1950 "

Coal consumed during the preceding 24 hours

tons 790 lbs.

Coal remaining on hand at Noon

1111 " 1676 "

P. M.																
1	6 6		W 1/4 S.	SE.	11		30.09	78	78	73	80	bc	cir cum	6	M	Look in, mainsail and
2	6 11		"	"	11		30.07	77	78	73	80	"	"	5	"	set main & trysail
3	6 11		"	"	11		30.06	77	77	73	80	"	"	6	"	
4	6 2		"	"	11		30.06	77	77	73	80	"	"	6	"	
5	6 5		"	"	11		30.07	77	77	73	80	"	"	5	"	
6	6 5		"	"	11		30.07	76	77	73	80	"	"	5	"	
7	7 0		"	"	11		30.06	78	77	73	80	"	"	8	"	Set flying jib and
8	7 0		"	"	11		30.06	78	77	73	80	"	"	8	"	sprinker
9	6 7		"	"	11		30.10	77	77	72	80	bc	cum & cir cum	11	"	
10	7 5		"	S.	5		30.10	77	77	72	80	"	"	6	"	
11	7 0		"	"	5		30.10	77	77	72	80	bc	"	7	"	
Mid.	7 0		"	S.S.E.	5		30.10	77	77	72	80	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙

0 " "

Longitude by Chronometer from Observations \*

0 " "

Variation of the Compass by Amplitude observed at Sunset

0 " "

Variation of the Compass by

at

0 " "



under the command of *Commander A. H. M. Donnick*  
*Sunday. September 21st*

, U. S. Navy,

, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Weather partly cloudy and pleasant, Moderate breeze from Sd and Ed, Barometer falling. Aneroid at end of watch 30.14. Patent log 24.2 knots.

Signed.

*M. P. Reis.*

Lieut.

11 to 5 A.M. Fair and pleasant with fresh breeze from Sd and Ed. Slowly rising barometer. Vessel on her course throughout watch heading W 1/4 S. Aneroid barometer 30.19. Patent log registered 57 knots.

Signed.

*A. J. D. Halpine.*

Ensign.

8 A.M. to Meridian. Fair and pleasant. Fresh breeze from S by E. first hour moderate, during rest of watch. At 9.15 commanding Officer inspected ship and crew at quarters. At 11.10 set fore top gallant stunsail. At 12<sup>00</sup> changed course to W 1/4 S. Patent log at end of watch 90.5. Aneroid bar. 30.18.

Signed.

*W. M. Irwin.*

Lieut.

Meridian to 4 P.M. Clear and pleasant. Moderate breeze from S.E. Moderate sea. At 12.50 took in and furled mainsail, and set main topsail. Started fires for distilling. Patent log 18.3. Aneroid 30.15.

Signed. *Wainwright Kellogg.*

Lieut.

4 to 6 P.M. Clear and pleasant. Moderate S.E. breeze. Steady barometer. Vessel on course W 1/4 S. Patent log 31.8. Aneroid barometer 30.16. Commenced condensing at 5.30.

Signed. *W. S. Hamm.*

Ensign.

6 to 8 P.M. Clear and pleasant weather. Moderate breeze from S.E. Barometer steady. Smooth sea. Under sail. Distilling. Moon set at 7.40. Patent log at end of watch 46.1 knots. Aneroid at end of watch 30.21.

Signed.

*Karl Rohrer.*

Lieut.

8 P.M. to Midnight. Weather cloudy and pleasant. Moderate breeze from S.E. to South. Barometer steady. Aneroid at end of watch 30.21. Patent log 75.2.

Signed.

*M. P. Reis.*

Lieut.

Moon, mid. Examined and found to be correct.  
Dec. 9° 14' 14" S.  
Phase. New moon.

*W. H. Parker*  
Lieut. & Navigator.



Making passage from Batavia, Java, to Mozambique East Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	7 2		W 1/4 S	SE + S	11		30.09	77	76	72	80	b	sc cum	6	W	Plain sail to royals
2	7 0		"	"	11		30.09	77	76	72	80	"	"	6	"	"
3	7 0		"	"	11		30.09	77	76	72	80	"	"	7	"	"
4	7 2		"	"	11		30.09	77	76	72	80	"	"	6	"	"
5	7 11		"	"	11		30.08	77	76	72	80	"	"	8	"	"
6	7 11		"	"	11		30.07	75	76	72	80	"	"	6	"	"
7	7 0		"	"	11		30.06	75	76	72	80	"	"	7	"	"
8	7 0		"	"	11		30.07	75	76	72	80	"	"	7	"	"
9	7 3		"	"	11.5		30.08	75	76	72	80	"	"	8	"	Look in sparker
10	7 2		"	SSE	11.5		30.09	75	76	72	80	"	"	7	"	" fly jib
11	7 0		"	"	11		30.10	77	76	72	80	"	"	6	"	"
Noon.	8 8		"	"	11		30.10	77	76	72	80	"	"	7	"	"

Distance run by Log since preceding Noon

168 knots 3 tenths fathoms

Latitude by D. R. at Noon

11° 59' 00" S

Longitude by D. R. at Noon

83° 32' 00" E

Latitude by Observations at Noon ☉

12° 04' 00" S

Longitude by Chronometer from Forenoon Observations ☉

83° 11' 00" E

Current during the time 0.75 knots — fms. per hour, setting to the

S 7 1/2 W.

1077 Variation of the Compass by Amplitude ☉ observed at Sunrise

"

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

2° 00' 00" W.

Water expended during the preceding 24 hours

350 gallons.

Water distilled during the preceding 24 hours

1000 "

Water remaining on hand fit for use at Noon

2600 "

Coal consumed during the preceding 24 hours

3 tons 100 lbs.

Coal remaining on hand at Noon

138 " 676 "

P. M.																	
1	7 5		W	SSE	11		30.06	77	76	72	80	b	sc cum	7	W		
2	7 5		"	"	11		30.06	77	76	72	80	"	"	5	"		
3	7 5		"	"	11		30.05	78	77	72	80	"	"	5	"		
4	7 5		"	"	11		30.05	78	77	72	80	"	"	5	"		
5	8 0		"	SE	5		30.06	76	76	72	80	"	sc cum	6	"		
6	8 0		"	"	5		30.06	76	76	71	80	"	"	7	"		
7	8 0		"	"	5		30.07	76	76	71	80	"	sc cum	8	"		
8	8 0		"	"	5		30.09	76	75	71	80	"	sc cum	8	"		
9	8 0		"	"	5		30.09	76	75	71	80	"	"	7	"		
10	7 8		"	"	5		30.09	76	75	71	80	"	"	7	"		
11	7 6		"	"	5		30.09	76	75	71	80	"	"	8	"		
Mid.	7 5		"	"	5		30.10	76	75	71	80	"	"	7	"		

Longitude by Chronometer from Afternoon Observations ☉

"

Longitude by Chronometer from Observations

\*

"

Variation of the Compass by Amplitude observed at Sunset

"

Variation of the Compass by

at

"



under the command of

Commander A. H. McCormick  
Monday, September, 22d

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Generally clear and pleasant with moderate breezes from Sd and Ed, and stationary barometer. Distilling. Vessel on her course throughout watch heading W<sup>1</sup>/<sub>2</sub>S. Aneroid barometer 30.19. Patent log registered 104.1 knots.

Signed. A. J. L. Halpine. Ensign

11 to 8 A.M. Pleasant weather. Moderate breeze from S W by S. Moderate sea. At 7 took in fore topmast staysail. Aneroid barometer 30.21. Patent log at end of watch 33.6.

Signed. W. M. Irvine. Lieut

8 A.M. to Meridian. Clear and pleasant. Moderate breeze from S E by S to S. S. E. At 9.15 mustered at quarters and exercised at divisional drills. James M. Gilder, Seaf Henry Hines, (2d Fire), and J. H. Freisibent (Sea) have today served their terms of enlistment. Passed through a large quantity of pumice stone floating on surface of water. At 8.10 took in spanker. At 9.10 hauled down flying jib. Patent log at end of watch 65.8. Aneroid barometer 30.22. At 12 changed course to West.

Signed. Wainwright Kellogg. Lieut

Meridian to 11 P.M. Clear and pleasant. Moderate S. E. breeze. Falling barometer. Instructed Apprentices of port watch. Vessel on course at end of watch. Patent log 96.5. Aneroid barometer 30.22.

Signed. W. E. Hannum. Ensign

11 to 6 P.M. Clear and pleasant weather. Fresh breeze from S E. Barometer steady. Moderate sea. Passing through large patches of pumice stone. Distilling water. Aneroid barometer 30.22. Patent log 13 knots.

Signed. Earl Rohrer. Lieut

6 to 8 P.M. Weather clear and pleasant. Moderate breeze from S E. Barometer rising. Aneroid at end of watch 30.23. Patent log 29.0.

Signed. B. P. Aus. Lieut

8 P.M. to Midnight. Clear, cool and pleasant. Moderate breeze from Sd and Ed. Distilling. Vessel on her course throughout watch heading West. Aneroid barometer 30.24. Patent log 60.1 knots.

Signed. A. J. L. Halpine. Ensign

Moonland

Examined and found to be correct.

Dec 12° 25' 15" S.  
Phase. New moon

W. J. Partin  
Lieut Navigator.



Making passage from Batavia, Java, to Mozambique, East Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	7 2		West	SE & S	5		30.10	75	75	71	80	bc	dis cum	7	M	
2	7 2		"	"	5		30.10	75	75	71	80	"	"	8	"	
3	7 2		"	"	5		30.09	75	75	71	80	"	"	8	"	Look in main try sail
4	8 0		"	"	5		30.09	75	75	71	80	"	"	7	"	Set jib flying jib
5	8 0		"	"	5		30.09	76	75	71	80	"	"	7	"	main sail & spanker
6	8 14		"	SE	5		30.10	76	75	71	80	"	"	6	"	Look in spanker
7	7 0		"	"	5		30.12	76	75	71	80	"	"	6	"	
8	7 6		"	"	5		30.11	76	75	71	80	"	"	5	"	
9	7 6		"	"	11		30.15	76	76	72	80	"	"	8	S.	
10	7 5		"	"	11		30.18	76	77	72	80	"	dis	9	"	
11	7 0		"	"	11		30.19	76	78	72	80	"	"	9	"	
Noon.	9 0		"	"	11		30.19	78	78	72	79	"	dis cum	7	"	

Distance run by Log since preceding Noon

172 knots 5 tenths fathoms.

Latitude by D. R. at Noon

12° 11' 00" S

Longitude by D. R. at Noon

80° 04' 00" E

Latitude by Observations at Noon ☉

12° 09' 00" S

Longitude by Chronometer from Forenoon Observations ☉

79° 53' 00" E

Current during the time 0.16 knots fms. per hour, setting to the

N. 88° W

1277 Variation of the Compass by Amplitude ☉ observed at Sunrise

0° 15' 00" W

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

2° 15' 00" W

Water expended during the preceding 24 hours

350 gallons.

Water distilled during the preceding 24 hours

600 "

Water remaining on hand fit for use at Noon

2850 "

Coal consumed during the preceding 24 hours

tons 2220 lbs.

12° 09' Coal remaining on hand at Noon

137 " 716 "

P. M.																
1	6 6		W 1/2 S.W.	SE.	11		30.16	78	78	72	79	bc	dis cum	6	S	
2	6 6		"	"	11		30.13	78	78	71	79	"	"	7	"	
3	7 0		"	"	11		30.12	76	76	70	79	"	"	7	"	
4	7 8		"	"	11		30.11	76	76	70	79	"	"	9	"	
5	7 0		"	"	11		30.12	76	76	72	79	"	"	8	"	
6	7 0		"	"	11		30.13	76	76	72	79	"	"	8	"	
7	7 0		"	"	11		30.13	76	76	70	79	"	dis cum	9	"	
8	7 0		"	"	11		30.11	76	76	70	79	"	"	9	"	
9	6 8		"	"	11		30.15	76	76	70	79	"	"	9	"	
10	6 0		"	"	11		30.15	76	76	70	79	"	"	9	"	
11	6 0		"	"	11		30.16	77	77	72	79	"	"	9	"	
Mid.	6 14		"	"	11		30.16	77	77	72	78	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉

79° 00' 00" E

Longitude by Chronometer from Observations \*

0° 15' 00" W

Variation of the Compass by Amplitude observed at Sunset

0° 15' 00" W

Variation of the Compass by at

0° 15' 00" W



under the command of

Commander A. H. McCormick

, U. S. Navy,

Tuesday, September 23

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and pleasant. Moderate breeze from S.E. by S. Moderate sea. Finished distilling at 1<sup>55</sup> and hauled fire. Set mainsail, spanker and flying jib and took in main trysail. Aneroid barometer 30.20. Patent log 89.2.

Signed. W. McIlwain.

Lieut

11 to 8 A.M. Clear and pleasant. Moderate breeze from S.E. Moderate sea. At 5<sup>25</sup> took in spanker. Patent log 20. Aneroid 30.25.

Signed. Mainwright Kellogg.

Lieut

8 A.M. to Meridian. Clear and calm. Moderate S.E. breeze. Rising barometer. Vessel on course West. By order of Comdg Officer released Thos. No. 1. '2015' his term of confinement having expired. At 9.15 inspected at quarters; exercised 1st division at single sticks; 2d at great guns; 3d at small arms and Powder division with revolvers. Frank A. Smith 'Sea' and Henry McCaffrey (C.A.G.) reported expiration of term of enlistment. At 12 changed course to W by N. Patent log 51.7. Aneroid barometer 30.25.

Signed. W. G. Hannum.

Ensign

Meridian to 4 P.M. Clear and pleasant with moderate breeze from S.E. Falling barometer. Aneroid 30.20 at end of watch.

Signed. Karl Rohrer.

Lieut

4 to 6 P.M. Weather clear and pleasant. Moderate breeze from S.E. Barometer falling. Mustered at quarters at 4.45. Aneroid at end of watch 30.20.

Signed. C. P. Rus.

Lieut

6 to 8 P.M. Clear and pleasant with moderate breezes and stationary barometer. Vessel on course thro' out watch heading W by N. Patent log 11.2 knots. Aneroid barometer 30.21.

Signed. A. J. D. Halpine.

Ensign

8 P.M. to Midnight. Clear and pleasant, bright starlight. Moderate breeze from S.E. In both sea. Aneroid barometer 30.27. Patent log 36 knots.

Signed. W. McIlwain.

Lieut

Moonlight  
Dec 15° 00' 18" S.  
Phase. New moon

Examined and found to be correct.

W. J. Park  
Lieut & Navigator.



Making passage from Batavia, Java, to Mozambique, East Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	5 6		N 1/4 W.	SE.	11		30.16	76	76	72	78	b. c.	Cir Cum	8	S	
2	5 6		"	"	11		30.15	76	76	72	78	"	"	8	"	
3	6 0		"	"	11		30.13	76	76	72	78	"	"	8	"	
4	6 0		"	"	11		30.13	76	76	72	78	"	"	7	"	
5	6 0		"	"	11		30.13	76	75	70	78	"	"	7	"	
6	6 0		"	"	11		30.13	76	75	70	78	"	"	8	"	
7	6 2		"	"	11		30.13	76	75	70	78	"	"	8	"	
8	6 0		"	"	11		30.15	76	75	70	78	"	"	6	"	
9	6 0		"	SE & S.	11		30.17	76	76	72	78	"	"	6	"	
10	6 6		"	"	11		30.19	76	77	72	78	"	"	7	"	
11	6 3		"	"	11		30.19	77	78	72	78	"	"	8	"	
Noon.	7 0		"	"	11		30.19	77	78	73	78	"	"	8	"	

Distance run by Log since preceding Noon

15.11 knots 5 fathoms.

Latitude by D. R. at Noon

12° 09' 00" S

Longitude by D. R. at Noon

77° 10' 00" E

Latitude by Observations at Noon ☉

12° 07' 00" S

Longitude by Chronometer from Forenoon Observations ☉

76° 56' 00" E

Current during the time 0.58 knots ~~fms~~ per hour, setting to the

N. 82° W.

1276 Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

3° 00' 00" W

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

\* Water remaining on hand fit for use at Noon

2500 "

Coal consumed during the preceding 24 hours

tons 1400 lbs.

Coal remaining on hand at Noon

137 " 316 "

P. M.																
1	6 0		N 1/4 W.	SE & S.	11		30.19	78	79	78	78	b. c.	Cir Cum	8	S	
2	6 0		"	"	11		30.17	78	79	78	78	b. c. d.	Cir Cum	7	"	
3	6 6		"	"	11		30.17	78	79	78	78	b. c.	"	6	"	Sub top staysail
4	7 0		"	"	11		30.15	78	79	78	78	"	"	5	"	Look in flying jib
5	7 2		"	"	11		30.13	75	76	72	77	"	"	5	"	Set flying jib
6	7 11		"	"	11		30.13	75	75	72	77	"	"	6	"	
7	7 0		"	"	11		30.11	76	75	72	77	"	"	11	"	
8	7 11		"	"	11		30.16	76	75	72	77	"	"	6	"	
9	7 6		"	"	11		30.16	76	75	71	77	"	Cir Cum	7	"	
10	7 6		"	"	11		30.16	76	75	70	77	"	"	6	"	
11	7 2		"	"	11		30.16	76	75	70	77	"	"	6	"	
Mid.	7 8		"	"	11		30.16	75	75	70	77	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of *Commander A. H. M<sup>o</sup> Conner*

, U. S. Navy,

Wednesday September 21, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A. M. Clear and pleasant, Moderate breeze from S. E. Moderate sea, Patent log 59.5. Aneroid 30.22.

Signed. *Wainwright Kellogg.* Lieut  
11 to 1. A. M. Clear and pleasant, Moderate S. E. breeze. Steady barometer. Vessel on course  $N\frac{1}{4}E$ . Patent log 85.8. Aneroid barometer 30.27. Pumped ship out.

Signed. *W. G. Hannum.* Ensign  
1 A. M. to Meridian. Clear and pleasant, Moderate breeze from S. E. and S. E. by S. At 9.15, mustered, at quarters, and exercised, at divisional drills, afterwards boarders of gun divisions fired at target with Navy revolvers. Patent log 11. Aneroid barometer 30.28.

Signed. *Karl Rohrer.* Lieut  
Meridian to 11 P. M. Weather clear and pleasant, Gentle to moderate breeze from S. E. by S. Barometer falling. Set fore topmast staysail and took in flying jib at 3.00. Aneroid 30.22.

Signed. *G. P. Rust.* Lieut  
11 to 6 P. M. Fair and pleasant with moderate breezes from S. E. and E. Vessel on her course throughout watch. At 11.45 had evening quarters, and sail exercise. Aneroid barometer 30.24. Patent log registered 53.3 knots.

Signed. *A. J. L. Halpin.* Ensign  
6 to 8 P. M. Pleasant weather. Moderate breeze from S. E. by S. Smooth sea, At 6.10 took in fore topmast staysail. Aneroid barometer 30.26. Patent log 68.

Signed. *W. McIlwain.* Lieut  
8 P. M. to Midnight. Clear and pleasant, Moderate breeze from S. E. Moderate sea. Moon rose at 10. Aneroid 30.21. Patent log 98.2.

Signed. *Wainwright Kellogg.* Lieut

Moon L. mid Examined and found to be correct.  
Dec  $16^{\circ}53'57''S$   
Phase. New moon

*J. H. Parker*  
Lieut & Navigator.



Making passage from Batavia, Java, to Mozambique, East Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	7 6		W 1/4 S.	SE	11		30.15	75	75	71	77	bc	Cirrus	9	8	Main sail to royals
2	7 5		"	"	11		30.13	75	75	71	77	"	"	9	"	port stunsails except
3	7 0		"	"	11		30.12	75	75	71	77	"	Cir Cum	9	"	lower
4	7 5		"	"	11		30.12	75	75	71	77	"	"	6	"	
5	7 5		"	"	11		30.11	75	75	71	77	"	Cir & Cir Cum	5	"	
6	7 5		"	"	11		30.11	75	75	71	77	"	"	11	"	
7	7 5		"	"	11		30.11	75	75	71	77	"	Cir Cum Cum str	11	"	
8	7 5		"	"	11		30.15	75	75	71	77	"	Cir and Cir Cum	5	"	
9	7 0		"	"	11		30.16	76	75	71	77	"	"	6	"	
10	6 8		"	"	11		30.18	77	76	70	77	"	"	6	"	Took in flying jib. Set
11	7 0		"	"	11		30.18	77	76	70	78	"	"	6	"	port lower stunsail
Noon.	7 5		"	"	11		30.16	78	78	71	78	"	"	7	"	Took in jib

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time, 52 knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at 8 AM

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

172 knots 7 fathoms.

12° 07' 00" S.

73° 54' 00" E

12° 02' 00" S.

73° 12' 00" E

N. 67° W.

0 " "

3° 00' 00" N.

350 gallons.

"

2150 "

tons 1100 lbs.

136 " 2156 "

P. M.																	
1	6 11		W 1/4 S	SE	11		30.16	77	78	71	78	bc	Cir cum	5	8		
2	6 6		"	"	11		30.11	77	78	72	78	"	"	11	"		
3	6 8		"	"	11		30.12	77	77	72	78	"	"	5	"		
4	6 6		"	"	11		30.12	76	76	72	78	"	"	6	"		
5	7 11		"	"	11		30.13	77	76	71	78	"	"	7	"		
6	7 2		"	"	11		30.12	77	76	71	78	"	"	7	"		
7	7 11		"	"	11		30.12	77	76	71	78	"	Cir Cum	7	"		
8	7 6		"	"	11		30.12	77	76	71	78	"	"	8	"		
9	7 0		"	"	11		30.13	77	76	71	78	"	"	5	"		
10	7 0		"	"	11		30.13	77	76	71	78	bc	"	5	"		
11	6 6		"	"	11		30.13	77	76	71	78	"	"	11	"		
Mid.	7 0		"	"	11		30.11	76	75	71	78	bc	"	7	"		

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at

73° 38' 00" E.

0 " "

0 " "

0 " "



under the command of

Commander A. H. M<sup>o</sup> Cormick

, U. S. Navy,

Thursday, September 25

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced, and until 11 A.M. Generally cloudy and pleasant, Moderate S.E. breeze, Slight fall in barometer. Vessel on course W<sup>h</sup> N. Patent log 28.6 knots. Aneroid barometer 30.22.

Signed W. G. Hammum. Ensign  
11 to 8 A.M. Weather pleasant, Moderate breeze from S.E. Smooth sea. Patent log 58 knots, at 8. Aneroid barometer 30.27.

Signed Karl Rohrer. Lieut.  
8 A.M. to Meridian. Clear and pleasant, with moderate breeze from S.E. At 9.15, mustered crew at quarters, and exercised, at divisional drills. Sent down fore and main trysail gaffs for scraping and varnishing. At 10.25 set port lower stunsail. At 10.50 hauled down flying jib, and at 11.02 the jib. Aneroid barometer 30.26. Patent log at end of watch 88.6 knots.

Signed C. P. Rus. Lieut.  
Meridian to 11 P.M. Fair and pleasant with moderate breezes from Sd and Ed. Fitted and fused 21. ten second ~~IX~~ in shells. Vessel on her course throughout watch heading W<sup>h</sup> N. Aneroid bar. 30.20. Pat log 16 knots.

Signed A. J. L. S. Halpin. Ensign  
11 to 6 P.M. Pleasant weather. Moderate breeze from S.E. Smooth sea. Went to quarters at 11.45. Aneroid barometer 30.20.

Signed W. M. Irwin. Lieut.  
6 to 8 P.M. Clear and pleasant. Moderate breeze from S.E. Smooth sea. Aneroid barometer 30.20. Patent log 46.6.

Signed Mainwright Kellogg. Lieut.  
8 P.M. to Midnight. Generally clear and pleasant. Occasional light drizzle. Moderate S.E. breeze. Slight fall in barometer. Vessel on course. W<sup>h</sup> N. Patent log 74.4. Aneroid barometer 30.22.

Signed W. G. Hammum. Ensign

Moonlight. Examined and found to be correct.  
Dec. 18° 02' 03" S.  
Phase. New moon.

W. J. Parth  
Lieut & Navigator.



Making passage from Batavia, Java, to Mozambique, East Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	7 0		Whisk.	SE & S.	11		30.11	76	76	73	78	bc	Cum 8	6	S	Squall sail to voyagers
2	7 0		"	"	11		30.11	76	76	73	78	"	"	7	"	Port stunsails
3	7 0		"	"	11		30.10	76	76	73	78	"	"	7	"	
4	7 5		"	"	11		30.09	76	76	73	78	"	"	6	"	
5	7 0		"	"	11		30.08	76	76	73	78	"	"	6	"	
6	6 0		"	SE	11		30.10	76	76	73	78	"	"	6	"	
7	7 0		"	"	11		30.11	78	77	73	78	"	"	7	"	Hauled up weather
8	7 0		"	"	11		30.11	78	77	74	78	"	"	4	"	Clue of main sail
9	7 0		"	"	11		30.11	77	77	74	78	"	"	5	"	
10	7 0		"	"	11		30.11	77	77	74	78	bef	"	11	"	
11	6 14		"	"	3		30.12	78	78	75	78	bc	"	6	"	
Noon.	8 11		"	"	3		30.12	78	78	75	78	"	"	6	"	

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time 0.41 knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

167 knots 9 fathoms

12° 02' 00" S

70° 46' 00" E

12° 03' 00" S

70° 36' 00" E

S. 84° W.

° ' "

3° 30' 00" W.

350 gallons.

"

1800 "

tons 2200 lbs.

135 " 2196 "

P. M.																
1	6 11		Whisk.	SE & S.	3		30.10	78	77	74	78	bef	Cum 8	6	S	
2	6 0		"	SE & S.	3		30.10	78	77	74	78	"	"	7	"	
3	7 2		"	"	11		30.08	77	77	74	78	"	"	11	"	
4	7 2		"	"	11		30.08	77	77	74	78	"	"	3	"	
5	7 11		"	"	11		30.08	77	76	74	78	"	Cum 8	11	M	
6	7 5		"	"	11		30.08	77	76	74	78	"	"	2	"	
7	7 5		"	"	11		30.08	77	76	74	78	bc	"	2	"	
8	7 5		"	"	11		30.08	77	76	73	78	"	"	2	"	
9	7 5		"	SE & S.	11		30.08	77	76	73	78	"	"	2	S	
10	7 5		"	"	11		30.09	77	76	73	78	bef	"	1	"	
11	7 5		"	"	11		30.09	78	76	73	78	bef	"	11	"	
Mid.	7 5		"	"	11		30.08	78	76	73	78	bc	Cum 6	"	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander A. H. M. Cornick  
Friday, September 26.

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and pleasant weather. Moderate breeze from S.E. by S. Barometer falling slowly. Smooth sea. Bright starlight. Aneroid barometer 30.20. Patent log 102.11 knots.

Signed. Karl Rohrer. Lieut

11 to 8. Weather clear and pleasant. Gentle breeze from E.S.E. Barometer rising. Aneroid 30.22. Hauled up weather clew of mainsail, at 7.30. Pat. log 30.11

Signed. E. P. Aus. Lieut

8 A.M. to Meridian. Cloudy, cool, and pleasant with passing showers second hour. Vessel on course throughout watch heading W 1/4 N. Thomas J. Hyman (1st Mach.) reported the expiration of his term of enlistment. Aneroid barometer 30.21. Patent log 59.9 knots.

Signed. A. J. S. Halpine. Ensign

Meridian to 11 P.M. Partly cloudy with passing rain showers. Gentle to moderate breeze from S. S.E. first hour of watch, and from E by S. remainder. Falling barometer. At 1 instructed Apprentice boys of watch. Aneroid barometer 30.18. Patent log 86.6. Sent up fore and main top sail gaffs and bent main top sail

Signed. W. M. Marvin. Lieut

11 to 6 P.M. Cloudy. Pleasant. Very light drizzling rain last hour of watch. Fresh breeze from E by S. Moderate sea. Aneroid 30.22. Patent log 102. At 5 split fore royal, bent new one.

Signed. Mainwright Kellogg. Lieut

6 to 8 P.M. Cloudy. Pleasant weather. Moderate E by S breeze. Steady barometer. Vessel on course W 1/4 N. Patent log 17.6. Aneroid barometer 30.20

Signed. W. G. Hannum. Ensign

8 P.M. to Midnight. Pleasant weather. Moderate breeze from E.S.E. Barometer steady. Light passing showers of rain in second and third hours of watch. Patent log 118.5 knots. Aneroid barometer 30.20.

Signed. Karl Rohrer. Lieut

Moon Laid  
Dec 18° 21' 57 S.  
Phase. New moon.  
Examined and found to be correct.

W. S. Parth  
Lieut Navigator.



## LOG of the UNITED STATES

Steamer "Essex"

31 Rate, 6 Guns,

Making passage from Batavia, Java, to Mozambique, East Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	7 5	W 1/4 N.	ESSE.		5		30.06	76	75	72	78	bc	Cum 3	1	M	
2	7 0	"	SE		5		30.03	76	75	72	78	bcp	"	0	"	
3	7 0	"	"		11		30.03	76	75	72	78	bc	"	2	"	
4	7 2	"	"		11		30.03	76	75	72	78	"	"	3	"	
5	7 0	"	"		11		30.03	75	75	73	78	bcp	Circum 3	11	"	
6	7 0	"	"		11		30.01	76	75	73	78	"	"	3	"	
7	6 0	"	"		11		30.05	75	75	73	78	"	"	2	"	
8	3 0	"	"		11		30.06	78	76	71	78	bc	"	3	"	
9	6 0	"	"		14		30.09	78	77	75	78	bed	"	3	"	
10	6 0	"	"		3		30.11	78	77	75	78	bc	"	2	"	Set back of main sail
11	6 0	"	"		3		30.12	78	77	75	78	"	"	2	"	
Noon.	6 4	"	ESSE.		2		30.12	78	77	75	78	bcpq	"	1	"	Look in port let us sail Set pit. Look in aft. let us off main sail, set port let us

Distance run by Log since preceding Noon

162 knots 8 tenths

Latitude by D. R. at Noon

12° 03' 00" S

Longitude by D. R. at Noon

67° 47' 00" E

Latitude by Observations at Noon ☉

— " — " — "

Longitude by Chronometer from Forenoon Observations ☉

67° 33' 00" E

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

— " — "

1374 Variation of the Compass by Azimuth ☉ observed at

— " — "

Water expended during the preceding 24 hours

320 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1180 "

Coal consumed during the preceding 24 hours

tons 1100 lbs.

Coal remaining on hand at Noon

135 " 1796 "

P. M.																	
1	5 5	W 1/4 N.	E & S	3	30.09	78	76	75	78	bed	Circum 1	1	M				
2	5 14	"	"	3	30.07	78	77	75	78	bc	"	2	"				
3	6 0	"	"	3	30.04	78	77	75	78	bed	"	2	"				
4	5 8	"	"	3	30.04	78	77	75	78	"	"	1	"				
5	6 0	"	E.	3	30.04	78	77	75	78	"	"	2	"				
6	7 0	"	"	11	30.04	77	77	74	78	"	"	2	"				
7	7 0	"	"	11	30.06	77	76	74	78	bcp	Cum. Cir 3	3	S				
8	7 6	"	E & S.	11	30.06	77	76	74	78	bc	Cum 8	11	"				
9	6 6	"	"	3	30.07	79	76	76	78	ocd	Circum 0	0	"				
10	6 2	"	"	3	30.08	79	78	76	78	bc	"	1	"				
11	6 2	"	"	3	30.09	79	78	76	78	"	"	11	"				
Mid.	6 4	"	"	3	30.09	79	78	76	78	ocd	"	0	"				

Longitude by Chronometer from Afternoon Observations ☉

— " — "

Longitude by Chronometer from Observations

\*

— " — "

Variation of the Compass by Amplitude observed at Sunset

— " — "

Variation of the Compass by

at

— " — "



under the command of

Commander A. H. McCormick

, U. S. Navy,

Saturday, September 27.

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commencing and until 11 A.M. Weather generally pleasant, Cloudy with shower of rain, at 1.30. Barometer falling. Aneroid, at end of watch 30.18. Pat. log. 77.5

Signed.

C. P. Russ.

Lieut

11 to 8. A.M. Cloudy with passing showers first half of watch. Moderate breezes from N<sup>W</sup> and E. At 6.55 lost overboard starboard topmast stunsail boom, hove to with fore topsail to the mast on starboard tack, lowered life boat to recover it, failing stood on course, at 7.30. Made sail to royals, and port stunsails except main topgallant stunsail, main sail, and all fore and aft sails. At end of watch vessel on course heading W<sup>1/2</sup>N. Aneroid barometer 30.20. Patent log 101.5.

Signed.

S. J. L. E. Halpine.

Ensign.

8 A.M. to Meridian. Weather cloudy with drizzling rain first hour, passing rain squalls last hour. Gentle to moderate breeze from the S.E. falling light last hour, and hauling to E.N.E. At 9.45 set lee clew of mainsail, at 11.35 braced yards around on starboard tack, and took in port stunsails, and starboard clew of mainsail, and set jib. At 11.45 set lee clew of mainsail. Aneroid barometer 30.22. Patent log at end of watch 25.6.

Signed.

W. M. Irwin.

Lieut

Meridian to 11 P.M. Cloudy with frequent passing showers. Falling barometer. Gentle breeze from E by S. At 12.05 set port topgallant stunsail and port fore topmast stunsail. At 12.30 set port lower stunsail, and hauled up weather clew of mainsail. Aneroid 30.16 at end of watch. Patent log 49.5.

Signed. Wm Wright Kellogg.

Lieut

11 to 6. P.M. Cloudy. Drizzling rain at times. Moderate Ely breeze. Steady barometer, Vessel on course W<sup>1/2</sup>N. Patent log 62.4. Aneroid barometer 30.16.

Signed. W. G. Hammum.

Ensign.

6 to 8. P.M. Pleasant weather. Passing showers first hour of watch. Gentle breeze from E to E by S. Barometer steady. Patent log at end of watch 76. Aneroid barometer 30.18.

Signed.

Karl Rohrer.

Lieut

8 P.M. to Midnight. Weather cloudy with light drizzling rain. Gentle breeze from E by S. Barometer steady. Aneroid, at end of watch 30.19. Patent log 94.8.

Signed.

C. P. Russ.

Lieut

Moon laid

Examined and found to be correct.

Dec 17° 53' 17" S  
Chase. 1<sup>st</sup> W.

W. T. Parker  
Lieut & Navigator.



Making passage from Batavia Java to Mozambique East Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	6 2		W 1/4 N	E x S.	3		30.09	78	78	76	78	bcd	Cir cum nimbs	2	S	All port stunsails
2	6 0		"	"	3		30.09	78	78	76	78	"	"	3	"	all sq. sail except mainsail
3	6 0		"	"	3		30.06	78	78	76	78	bc	"	3	"	
4	6 2		"	"	3		30.03	77	77	75	78	"	Cir cum	5	"	
5	6 2		"	"	3		30.03	77	78	75	78	"	"	5	"	
6	6 0		"	E.	3		30.06	77	78	75	78	bc	Cir cum nimbs	0	"	
7	6 0		"	"	3		30.06	77	78	75	78	bc	"	2	"	
8	6 0		"	"	3		30.08	77	76	75	78	"	"	3	"	
9	5 8		"	E x S.	3		30.09	77	78	75	78	"	"	2	"	
10	6 0		"	"	3		30.10	78	78	75	78	bch	"	3	"	
11	6 0		"	"	3		30.10	78	78	75	78	"	"	2	"	
Noon.	6 8		"	"	3		30.09	77	77	75	78	"	"	1	"	

Distance run by Log since preceding Noon

1148 knots 9 <sup>tenths</sup> fathoms.

Latitude by D. R. at Noon

12° 05' 00" S

Longitude by D. R. at Noon

65° 00' 00" E

Latitude by Observations at Noon ⊙

- - - - -

Longitude by Chronometer from Forenoon Observations ⊙

64° 52' 00" E

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise

° ' "

1273. Variation of the Compass by Azimuth ⊙ observed at

° ' "

Water expended during the preceding 24 hours

330 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1150 "

Coal consumed during the preceding 24 hours

tons 200 lbs.

Coal remaining on hand at Noon

135 " 1396 "

P. M.																
1	11 0		W 1/4 N	E x S.	2		30.07	77	77	75	78	bch	Cir cum nimbs	2	S	
2	11 0		"	"	2		30.06	77	77	75	78	ocd	"	0	"	
3	11 0		"	S.E.	1		30.05	77	77	75	78	"	"	0	"	Set jib and head of mainmast
4	3 0		"	"	2		30.01	76	76	71	78	"	"	0	"	
5	11 5		"	E.S.E.	3		30.01	76	76	71	78	bch	Cir cum nimbs	2	"	
6	5 0		"	"	3		30.01	76	76	71	78	bc	"	3	"	
7	3 5		"	"	2		30.05	76	76	71	78	"	"	1	"	
8	3 2		"	"	2		30.06	76	76	71	78	"	Cir cum	2	"	
9	3 0		"	S.E.	2		30.07	76	76	71	78	bch	Cir cum nimbs	1	"	
10	3 5		"	"	2		30.08	76	76	71	78	"	"	1	"	
11	11 0		"	"	3		30.09	77	76	71	78	ocd	"	0	"	
Mid.	11 0		"	"	3		30.09	76	76	71	78	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙

° ' "

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. McCormick

, U. S. Navy,

Sunday, September 28th

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Cloudy with light drizzle first hour with clearing weather to slowly falling barometer. Vessel on her course throughout watch heading  $W\frac{1}{2}N$ . Aneroid barometer 30.15. Patent log 28.

Signed

A. J. L. I. Halpine.

Ensign.

11 to 8 A.M. Overcast and cloudy, slightly clearing latter part. Gentle to moderate breeze from East. Smooth sea. Aneroid barometer 30.19. Patent log 50.

Signed.

W. M. Irwin.

Lieut.

8 A.M. to Meridian. Cloudy with passing showers last three hours of watch. Gentle breeze from E by S. Alt. 30 mustered at quarters. Patent log at end of watch 75.5. Aneroid barometer 30.18.

Signed.

Wainwright Kellogg.

Lieut.

Meridian to 11 P.M. Cloudy. Rainy. Light variable breeze. Falling barometer. Vessel on course  $W\frac{1}{2}N$ . Patent log 90.5. Aneroid barometer 30.16.

Signed.

W. E. Hammond.

Ensign.

11 to 6 P.M. Pleasant weather. Passing showers first hour of watch. Gentle breeze from E.S.E. Barometer steady. Patent log at end of watch 100.4 knots. Aneroid barometer 30.18.

Signed

Karl Rohrer.

Lieut.

6 to 8 P.M. Weather cloudy and pleasant. Light breeze from E.S.E. Barometer rising. Aneroid barometer 30.18. Patent log at end of watch 7.5 knots.

Signed.

C. P. Rus.

Lieut.

8 A.M. to Midnight. Cloudy with passing showers. Vessel on her course throughout watch heading  $W\frac{1}{2}N$ . Aneroid barometer 30.20. Pat log 22.7 knots.

Signed

A. J. L. I. Halpine.

Ensign

Moonland Examined and found to be correct.  
Dec 16° 33' 14" S.  
Phase 1<sup>st</sup> Qr.

W. J. P. Smith  
Lieut & Navigator.



Making passage from Batavia, Java to Mozambique, East Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	3	0	W 1/4 N.	E	2		30.08	75	75	71	78	oc	minib	0	S	
2	3	0	"	"	2		30.07	75	75	71	78	"	"	0	"	Took in port stunsails
3	11	2	"	"	3		30.07	75	75	71	78	"	"	0	"	
4	5	0	"	S E.	11		30.05	71	71	73	78	"	"	0	"	Set flying jib and lee
5	6	0	"	"	11		30.06	71	71	73	78	"	"	0	"	Clue of mainsail
6	6	2	"	"	11		30.06	75	71	73	78	oc	"	0	"	
7	6	6	"	"	11		30.08	75	71	73	78	bc	cum nub	1	"	Set port stunsails
8	6	2	"	"	11		30.08	75	75	73	78	"	"	1	"	
9	6	5	"	"	11		30.12	75	75	73	78	"	"	3	"	Took in lower stunsail
10	6	5	"	"	11		30.11	76	75	73	78	"	cum 8 Cir Cum	2	"	Set "
11	6	0	"	"	11		30.11	76	75	73	79	"	"	2	"	
Noon.	6	8	"	S. S. E.	11		30.11	76	75	73	79	"	"	2	"	Took in port clue of m. sail

Distance run by Log since preceding Noon

111 knots 7 tenths fathoms.

Latitude by D. R. at Noon

12° 08' 00" S

Longitude by D. R. at Noon

62° 58' 00" E

Latitude by Observations at Noon ⊙

12° 17' 00" S

Longitude by Chronometer from Forenoon Observations ⊙

62° 45' 00" E

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ⊙ observed at Sunrise

0 " "

1293. Variation of the Compass by Azimuth ⊙ observed at 8 am.

5° 00' 00" N.

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

800 "

Coal consumed during the preceding 24 hours

tons 400 lbs.

Coal remaining on hand at Noon

135 " 996 "

P. M.																
1	6	0	W 1/4 N.	S x E.	11		30.10	76	76	73	79	bc	Cir cum	2	S	Took in lower stunsail
2	6	0	"	"	11		30.10	77	77	74	79	"	"	1	"	
3	5	6	"	"	11		30.09	77	77	74	79	"	"	3	"	
4	6	0	"	"	11		30.07	77	77	73	79	"	"	3	"	Furled mainsail
5	5	0	"	S E.	3		30.07	77	77	74	79	"	"	2	"	Set main bysail
6	5	0	"	"	3		30.08	77	77	74	79	"	Cir Cum Cir Stral	2	"	
7	5	2	"	S x E.	3		30.08	77	77	74	79	"	"	2	"	Set lower stunsail
8	5	6	"	"	3		30.08	77	77	74	79	"	"	3	"	hauled down head
9	6	0	"	"	3		30.10	77	77	73	79	"	"	2	"	sails
10	4	5	"	"	3		30.11	77	76	73	79	"	"	11	"	
11	4	5	"	"	3		30.11	77	76	73	79	"	"	1	"	
Mid.	5	0	"	"	3		30.11	77	76	73	79	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ⊙

0 " "

Longitude by Chronometer from Observations \*

0 " "

Variation of the Compass by Amplitude observed at Sunset

0 " "

Variation of the Compass by

at

0 " "



under the command of

Commander A. H. M<sup>o</sup> Connick

, U. S. Navy,

Monday, September 29

, 1871.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 11 A.M. Overcast cloudy and rainy. Light breeze from East hauling to N.E. and freshening. At 12.50 took in port stunsails and hauled up the mainsail. Aneroid barometer 30.18. Patent log 32. At 5<sup>20</sup> set flying jib and lee clew of mainsail.

Signed W. H. Irwin.

Lieut

11 to 8 A.M. Overcast Drizzling rain first hour of watch. Moderate breeze from S.E. Smooth sea, At 8<sup>30</sup> set all port stunsails. Patent log 62.6. Aneroid 30.24.

Signed Mainwright H. Hogg.

Lieut

8 A.M. to Meridian. Cloudy. Pleasant weather. Moderate S.E. & S.S.E. breeze. Slight rise in barometer. At 9.15 exercised at general quarters, casting loose 1st div. 3' 30" 2<sup>d</sup> div. 2' 20" 3<sup>d</sup> div. 1' 30" Powder 1.10" Star. 2' 20" Marines 3' 00" and Engineers 2' 20". Secured all in 10'. By order of Comdg Officer, J. Burrance. At 1 was given 12 hours extra duty for loud grumbling on prospects Vessel on course. At 1/2 N. Patent log 88. Aneroid barometer 30.22.

Signed W. G. Hammum.

Ensign

Meridian to 11 P.M. Cloudy with gentle breeze from S by E. Falling barometer. At 1 instructed Apprentices of starboard watch. At 2.30 took in port lower stunsail. At 3.30 furled main trysail. Aneroid 30.16. Patent log 11.9.

Signed

Harl Rohrer.

Lieut

11 to 6 P.M. Weather clear and pleasant. Gentle breeze from S.E. Barometer falling. Mustered at quarters at 11.45. Exercised at reefing topsails at 11.50. Furled mainsail and set main trysail. Started fires for distilling at 5.50. Aneroid at end of watch 30.18. Patent log 22.1.

Signed

G. P. Ault.

Lieut

6 to 8 P.M. Fair and pleasant with gentle breeze from E. Vessel on her course throughout watch. At 1/2 N. Set lower stunsail and hauled down head sail. Aneroid barometer 30.20. Patent log 32.1. Upper clouds from N and N.E.

Signed

A. J. L. J. Halpine.

Ensign

8 P.M. to Midnight Cloudy. pleasant. Gentle breeze from E. Smooth sea, ship rolling easily. Aneroid barometer 30.21. Patent log 50.

Signed

W. H. Irwin.

Lieut

Moon mid

Examined and found to be correct.

Dec 14° 26' 32" S.

Phase 1<sup>st</sup> Qr.

W. H. Park  
Lieut & Navigator.



Making passage from Batavia, Java, to Mozambique, East Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	11	11	W 1/4 N.	E x S	3		30.07	77	76	73	79	oc	Pi cum nub	0	8	Took in port stunsails
2	11	6	"	"	3		30.01	77	76	73	79	oc r	"	0	"	and main trysail
3	11	0	"	SSE	3		30.01	77	76	73	79	"	"	0	"	
4	5	0	"	"	3		30.01	76	76	73	79	"	"	0	"	Set main trysail
5	11	5	"	"	3		30.01	76	76	73	79	bc	Pi cum nub	5	"	
6	5	0	"	SE	3		30.06	76	76	73	79	"	"	2	"	
7	5	5	"	"	3		30.09	76	76	73	79	"	"	"	"	Set flying jib
8	5	5	"	"	3		30.11	76	76	73	79	oc	"	0	"	
9	5	0	"	"	3		30.16	76	75	73	79	oc d	"	0	"	Set port stunsails
10	11	0	"	E x N.	3		30.16	76	76	73	79	bc	"	1	"	except lower. Took
11	3	0	"	"	2		30.16	77	76	74	79	bc d	"	2	"	them in again
Noon.	11	5	"	ESE	3		30.16	77	76	74	79	bc p	"	1	"	Took in jib

Distance run by Log since preceding Noon

119 knots 11 fathoms

Latitude by D. R. at Noon

12° 21' 00" S

Longitude by D. R. at Noon

60° 47' 00" E

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

60° 24' 00" E

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

5° 00' 00" W

Water expended during the preceding 24 hours

300 gallons.

Water distilled during the preceding 24 hours

2000 "

Water remaining on hand fit for use at Noon

2500 "

Coal consumed during the preceding 24 hours

2 tons 1100 lbs.

Coal remaining on hand at Noon

133 " 596 "

P. M.																
1	5	0	W 1/4 N.	NE	3		30.13	77	76	74	79	oc p	Pi cum nub	0	8	
2	3	5	"	"	3		30.12	77	76	74	79	"	"	0	"	
3	2	0	"	ESE	2		30.11	77	76	74	79	bc	"	2	"	
4	3	5	"	"	2		30.11	77	76	74	79	"	"	1	"	
5	3	5	"	E	2		30.11	77	76	74	79	"	"	1	"	
6	2	5	"	"	2		30.11	77	76	74	79	"	Pi cum nub	2	"	
7	2	0	"	"	2		30.12	78	78	75	79	oc	"	0	"	
8	11	0	"	"	3		30.12	78	78	75	79	bc	"	2	"	
9	3	2	"	NE	2		30.12	76	77	74	79	"	Pi cum nub	3	"	
10	1	6	"	"	2		30.13	77	77	74	79	"	"	1	"	
11	1	6	"	"	2		30.12	76	77	75	79	"	"	3	"	
Mid.	3	0	"	"	2		30.12	76	77	75	79	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉

60° 20' 00" E

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>c</sup>Connick

, U. S. Navy,

Tuesday, September 30, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Cloudy. Drizzling rain last half of watch. At 9.15 took in all stunsails to shift of wind to N<sup>W</sup>. Moderate breeze from E shifting to E S E. at end of watch. Pat log 67.8. Aneroid 30.22

Signed. Hamwright Kellogg. Lieut  
11 to 8 A.M. Cloudy. Overcast. Gentle S E breeze. Rising barometer. Vessel on course W 1/2 N. Patent log 88.3. Aneroid barometer 30.28.

Signed. W. G. Hamnum. Ensign  
8 A.M. to Meridian. Cloudy with drizzling rain and passing showers during watch. Gentle breeze from S E to E by N. At 9.05 took in flying jib and fore topmast staysail. At 10.05 set port topmast and top gallant stunsails, but wind hauling around to the starboard quarter took them in again and laid the yards square. At 11.30 wind hauled again to the E S E. set all port stunsails. Patent log at end of watch 104. Aneroid barometer 30.22. At 9.30 mustered at quarters and exercised the divisions at small arms.

Signed. Karl Rohrer. Lieut  
Meridian to 11 P.M. Cloudy with passing showers. Falling barometer. Light to gentle breeze from N E first half of watch, and from E S E last half. At 12 changed course to W 1/2 N. At 12.20 took in all port stunsails. At 1.10 set main trysail, jib and fore topmast staysail. At 3.15 set port stunsails and took in main trysail. Aneroid 30.18. Patent log 18.9. Distilling. By order of Commanding Officer conferred Louis H. Schuman. Lieut. in double irons for ten days for answering the Officer of the Deck improperly.

Signed. C. P. Pess. Lieut  
4 to 6 P.M. Cloudy and pleasant. At 11.45 mustered at quarters and had sail exercise. Vessel on her course throughout the watch heading W 1/2 N. Took in all stunsails. Distilling. Patent log 24.9. Aneroid barometer 30.20.

Signed. N. J. L. Halpin. Ensign  
6 to 8 P.M. Cloudy. Pleasant. Gentle breeze from East. Smooth sea. Aneroid barometer 30.24. Patent log 30.0.

Signed. W. McJuvie. Lieut  
8 P.M. to Midnight. Clear and pleasant. Light airs from N E to East. Smooth sea. Moonlight. Aneroid 30.24. Patent log 37.5.

Signed. Hamwright Kellogg. Lieut

Moonlight Examined and found to be correct.  
Dec 11° 35' 32" S  
Phase, 1<sup>st</sup> Q.

W. J. Parker  
Lieut & Navigator.



Making passage from Batavia Java. to Mozambique. E. Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	30		N <sup>1</sup> / <sub>2</sub> N	ESE	2		30.12	76	76	74	79	bc	cum 8	2	S	
2	28		"	"	2		30.12	76	76	74	79	"	"	1	"	
3	30		"	"	3		30.10	76	76	74	79	"	"	5	"	
4	40		"	SE	3		30.10	76	76	73	79	bc	"	2	"	
5	45		"	ESE	3		30.10	75	75	73	79	bc	"	14	"	
6	45		"	"	3		30.12	75	75	73	79	"	cum 8	2	"	
7	65		"	SE	11		30.12	75	75	73	79	"	cum 8	5	"	Set flying jib and
8	Swinging ship			"	11		30.11	75	75	74	79	"	"	5	"	main by sail
9	68		N <sup>1</sup> / <sub>2</sub> N	ESE	11		30.11	76	76	74	79	"	"	2	"	Took in all sail
10	60		"	ESE	11		30.11	76	76	74	79	"	cum 8	5	"	made square sail
11	65		"	"	11		30.15	76	76	74	79	"	"	6	"	except main sail
Noon.	65		"	"	11		30.15	76	74	73	79	"	"	2	"	and port stunsails

Distance run by Log since preceding Noon

89 knots 5 fathoms

Latitude by D. R. at Noon

12° 21' 00" S

Longitude by D. R. at Noon

58° 52' 00" E

Latitude by Observations at Noon ☉

12° 23' 00" S

Longitude by Chronometer from Forenoon Observations ☉

58° 37' 00" E

Current during the time 0.58 knots — fms. per hour, setting to the

N.

1272 Variation of the Compass by Amplitude ☉ observed at Sunrise

"

Variation of the Compass by Azimuth ☉ observed at 8 AM

6° 00' 24"

Water expended during the preceding 24 hours

330 gallons.

Water distilled during the preceding 24 hours

700 "

Water remaining on hand fit for use at Noon

2870 "

Coal consumed during the preceding 24 hours

3 tons 700 lbs.

Coal remaining on hand at Noon

129 " 2136 "

P. M.																
1	52		N <sup>3</sup> / <sub>4</sub> N	ESE	11		30.12	78	78	74	79	bc	cum 8	2	S	
2	52		"	"	11		30.12	78	78	74	79	"	cum 8	2	"	
3	56		"	"	11		30.12	78	78	74	79	"	"	3	"	
4	60		"	"	5		30.12	78	78	74	79	"	"	11	"	
5	64		"	"	11		30.09	78	77	73	79	"	cum 8	2	"	
6	64		"	"	11		30.08	78	77	73	79	"	"	1	"	Set main by sail
7	64		"	"	11		30.10	78	76	72	79	"	"	2	"	
8	64		"	"	5		30.13	78	76	72	79	"	"	3	"	Took in main by sail
9	62		"	"	11		30.13	78	77	74	79	"	"	2	"	
10	62		"	ESE	11		30.11	78	77	74	79	"	"	2	"	
11	64		"	"	11		30.11	78	77	74	79	"	"	1	"	
Mid.	61		"	"	11		30.11	78	78	74	79	"	cum 8	14	"	

Longitude by Chronometer from Afternoon Observations ☉

"

Longitude by Chronometer from Observations \*

"

Variation of the Compass by Amplitude observed at Sunset

"

Variation of the Compass by

at

"



under the command of

Commander A. H. M<sup>c</sup> Cormick  
Wednesday, October 1

, U. S. Navy,

, 1884.

AY.

U. S. S. "Essex" (3d Rate)

Oct 1, 1884

pleasant weather first  
to gentle ESE and SE  
H. Patent log 53. Aneroid

Sir:

We recommend the following changes in the  
ratings of the Apprentices on board this vessel; viz.  
J. H. Bashforth (Os) Rosario Cusson (Os) Fredk E.  
Quaking (Os) Stephen S. Lawrence (Os) Gus Hagle  
(Os) John P. O'Neil (Os) W. H. Plimley (Os) Edward B.  
Winslow (Os) W. H. Wilson (Os) Robt W. M<sup>c</sup>Farland (Os)  
Aug. M. Kitchen (Os) Patk Mahoney (Os) Fredk S.  
Pollock (Os) and Chas Lloyd (Os) to be Seamen, Robt W.  
Parckley (Os 2cl) Jas. B. Dolly (Os 2cl) and Charles P.  
Thomson (Os 2cl) to be Ordinary Seamen, and Michel  
A. Mahoney (1cl App) and W. G. Tripp (1cl App) to be  
Ordinary Seamen, 2d Class.

Signed.

Respectfully submitted  
Wainwright Kellogg, Lieutenant  
Karl Rohrer, "  
C. P. Rus, "  
Examining Board.

Commander

A. H. M<sup>c</sup> Cormick, U. S. S.  
Commanding.

Approved

Signed.

A. H. M<sup>c</sup> Cormick,  
Commander, Comdg.

Hallum. Ensign  
derate breeze from ESE.  
der Nos 5 and 7 boilers.  
ullo, and commenced

Karl Rohrer. Lieut  
th moderate breeze  
ing ship on, account  
p on her course W 1/2 N.  
set port stunsails.  
ngines. uncoupled  
bers. At 9.15 shifted fire  
boilers. At 9.15 mustered  
nt log at end of watch

C. P. Rus. Lieut  
t with moderate breezes  
th meridian changed  
hout watch, heading  
7.2. Fires banked under  
glish studies.

L. S. Halpin. Ensign  
rm ESE. Mustered  
d bent spanker. Set

M. Irwin. Lieut  
ze from ESE. Smooth

right Kellogg. Lieut  
th. Moderate E by S.  
ourse W 1/2 N. Patent

Hannum. Ensign

Moon, mid Examined and found to be correct.

Dec 4° 04' 49" S.

Phase, First Quarter

W. H. Park  
Lieut & Navigator.







under the command of

Commander A. H. M<sup>c</sup> Cormick  
Wednesday, October 1

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Partly cloudy, pleasant weather first part, drizzling rain latter part of watch. Light to gentle ESE<sup>4</sup>SE breeze. Falling barometer. Vessel on course W<sup>1</sup>/<sub>2</sub>N. Patent log 53. Aneroid barometer 30.21.

Signed. W. G. Hallum. Ensign  
1 to 8. A.M. Pleasant weather. Gentle to moderate breeze from ESE to SE. Barometer rising. At 4. started fires under Nos 5 and 7 boilers. At 7.10 took in all sail, and at 7.20 coupled propeller, and commenced swinging ship. Aneroid barometer 30.25.

Signed. Karl Rohrer. Lieut  
8 A.M. to Meridian. Cloudy and pleasant, with moderate breeze from ESE to E by S. At 8.05 discontinued swinging ship on account of its clouding over, and at 8.10 brought ship on her course W<sup>1</sup>/<sub>2</sub>N. and made all square sail except mainsail, set port stunsails. allowed steam to run down, at 8.45 stopped engines. uncoupled propeller, and banked fires under the four boilers. At 9.15 shifted fires from two distilling boilers to two of the other boilers. At 9.15 mustered at quarters, and exercised as per routine. Patent log at end of watch 94.3. Aneroid barometer 30.22.

Signed. A. C. Rice. Lieut  
Meridian to 11 P.M. Cloudy, and pleasant with moderate breezes from ESE freshening towards end of watch. At meridian changed course to W<sup>3</sup>/<sub>4</sub>N. Vessel on her course throughout watch, heading W<sup>3</sup>/<sub>4</sub>N. Aneroid barometer 30.18. Patent log 17.2. Fires banked under four boilers. Instructed Apprentices in English studies.

Signed. N. J. S. Halpin. Ensign  
11 to 6. P.M. Weather cloudy. Moderate breeze from ESE. Mustered at quarters, at 11.45. Sent up spanker, gaff and bent spanker. Set main trysail, at 5.50. Aneroid barometer 30.20.

Signed. W. M. Irwin. Lieut  
6 to 8. P.M. Clear, and pleasant. Moderate breeze from ESE. Smooth sea. Patent log 43.2. Aneroid 30.21.

Signed. Wamwright Kellogg. Lieut  
8 P.M. to Midnight. Cloudy, pleasant weather. Moderate E by S breeze. Slight rise in barometer. Vessel on course W<sup>3</sup>/<sub>4</sub>N. Patent log 68.2. Aneroid barometer 30.21.

Signed. W. G. Hannum. Ensign

Moon, Laid Examined and found to be correct.  
Dec 24° 04' 49" S.  
Phase, First Quarter

W. N. Park  
Lieut & Navigator.



Making passage from Batavia, Java, to Mozambique, E. Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	6 5		N 3/4 E.	ESE.	11		30.11	78	78	74	79	bc	circum	11	S	
2	6 5		"	"	11		30.13	78	78	74	78	"	"	7	"	
3	6 0		"	"	11		30.13	78	78	74	78	"	"	8	"	
4	6 5		"	"	11		30.12	78	78	74	78	"	"	5	"	
5	6 0		"	"	11		30.11	76	76	74	78	"	"	6	"	
6	6 11		"	"	11		30.10	76	76	74	78	"	"	7	"	
7	2 0		Swinging ship	"	11		30.10	76	76	74	78	"	"	8	"	
8	2 0		N 3/4 E.	"	11		30.10	76	76	74	78	"	"	8	"	Set lower stunsail
9	6 11		"	"	11		30.12	79	78	74	78	"	circum	9	"	Look in jib
10	5 8		"	"	3-11		30.11	79	79	75	78	"	"	8	"	
11	5 8		"	"	3-11		30.15	79	80	75	78	"	circum	8	"	
Noon.	8 0		"	"	3-11		30.11	79	80	75	78	"	"	7	"	

Distance run by Log since preceding Noon

11 1/2 knots 11 1/2 fathoms.

Latitude by D. R. at Noon

12° 17' 00" S

Longitude by D. R. at Noon

56° 11' 00" E

Latitude by Observations at Noon ☉

12° 17' 00" S.

Longitude by Chronometer from Forenoon Observations ☉

55° 53' 00" E

Current during the time 0.75 knots fms. per hour, setting to the

N

127 1/2 Variation of the Compass by Amplitude ☉ observed at Sunrise

"

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

7° 00' 00" N

Water expended during the preceding 24 hours

320 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2550 "

Coal consumed during the preceding 24 hours

3 tons 1180 lbs.

Coal remaining on hand at Noon

126 " 1656 "

P. M.																
1	6 6		N by E.	ESE	11		30.10	79	80	75	78	bc	circum	6	S	
2	6 5		"	"	11		30.09	79	80	75	78	"	"	7	"	
3	6 5		"	"	11		30.08	78	79	74	78	"	"	7	"	
4	6 11		"	"	11		30.06	78	79	74	78	"	"	7	"	
5	6 11		"	"	11		30.06	78	79	74	78	"	"	7	"	
6	6 11		"	"	11		30.06	78	78	74	78	"	"	8	"	
7	5 6		"	"	11		30.05	78	78	74	78	"	"	8	"	
8	5 8		"	"	11		30.05	78	78	74	78	"	"	5	"	
9	5 5		"	SE.	3		30.08	79	79	74	78	"	circum	6	"	
10	5 5		"	"	3		30.10	79	79	74	78	"	"	7	"	
11	5 5		"	"	3		30.12	79	79	74	78	bc	circum	11	"	
Mid.	5 0		"	"	3		30.12	79	79	74	78	bc	circum	8	"	

Longitude by Chronometer from Afternoon Observations ☉

"

Longitude by Chronometer from Observations

\*

"

Variation of the Compass by Amplitude observed at Sunset

"

Variation of the Compass by

at

"



under the command of

Commander A. H. McCormick  
Thursday, October 2d

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and pleasant. Moderate breeze from E.S.E. Barometer falling. Fires banked under four boilers. Patent log at end of watch 93.7 knots. Aneroid barometer 30.19.

Signed. Karl Rohrer. Lieut

11 to 8 A.M. Weather clear and pleasant. Moderate breeze from E.S.E. Barometer steady. At 6.00 spread fires. Shortened and furled all sail. at 6.15, and swung ship. At 7.45 set jib, made all square sail except main sail and set port topmast and topgallant stunsails. Stood on course W by N. Uncoupled propeller, and let fires die out. Aneroid at end of watch 30.22. Patent log 10.3.

Signed. C. P. Rus. Lieut

8 A.M. to Meridian. Clear, cool and pleasant. Slowly rising barometer, and gentle to moderate breezes from E.S.E. Vessel on her course throughout the day heading W by N. Set lower stunsail, and hauled down jib. At 9.15 inspected at quarters, and exercised at armed boats away and equipped. Aneroid barometer 30.21. Patent log 36.5.

Signed. A. J. I. Halpine. Ensign

Meridian to 11 P.M. Clear and pleasant with moderate breeze from E.S.E. Falling barometer. At 1.00 instructed Apprentices in English studies. Aneroid barometer 30.16. Patent log 63.8. At 12.00 changed course to W by N.

Signed. W. M. Irwin. Lieut

11 to 6 P.M. Clear delightful weather. Moderate breeze from E.S.E. Smooth sea. At 11.45 instructed at quarters. Aneroid 30.18. Patent log 76.8.

Signed. Hainwright Kellogg. Lieut

6 to 8 P.M. Clear and pleasant. Moderate E.S.E. breeze. Barometer steady. Vessel on course W by N. Patent log 88.3. Aneroid barometer 30.19.

Signed. W. G. Hammon. Ensign

8 P.M. to Midnight. Clear and pleasant weather. Gentle breeze from S.E. Barometer rising. Smooth sea. Light passing showers of rain. Third hour of watch. Bright moon, and starlight. Patent log 10.3 knots. Aneroid barometer 30.21.

Signed. Karl Rohrer. Lieut

Moon mid. Examined and found to be correct.  
Dec 4° 04' 49" S.  
Phase. First Quarter

W. H. Parker  
Lieut Navigator.



Making passage from Batavia, Java to Mozambique, Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	4 8		N x N	OSE.	3		30.10	78	77	73	78	bc	cir	9	S	
2	5 0		"	"	3		30.10	78	78	73	78	"	"	9	"	
3	5 2		"	"	3		30.11	78	78	73	78	"	Circum pums	5	"	
4	5 2		"	"	3		30.12	78	78	73	78	"	"	11	"	
5	5 11		"	"	3		30.12	78	77	73	78	bcp	"	3	"	
6	5 2		"	"	3		30.16	78	77	73	78	bc	Circum	14	"	
7	5 2		"	"	3		30.16	78	77	73	78	"	"	11	"	
8	5 6		"	SE	3		30.16	78	77	73	78	"	"	5	"	Set head sails
9	5 11		"	SE & S	3		30.16	77	76	73	78	"	"	5	"	
10	5 0		"	OSE	3		30.17	78	77	74	78	bcd	"	6	"	
11	5 5		"	"	3		30.17	78	77	74	78	bc	"	7	"	
Noon.	4 8		"	"	3		30.18	78	80	75	78	"	"	7	"	Took in head sails

Distance run by Log since preceding Noon

134 knots

Latitude by D. R. at Noon

12° 07' 6"

Longitude by D. R. at Noon

53° 32' 6"

Latitude by Observations at Noon ☉

12° 09' 5"

Longitude by Chronometer from Forenoon Observations ☉

53° 29' 6"

Current during the time knots fms. per hour, setting to the

1271 Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at 8 AM

7° 00' 10"

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2200 "

Coal consumed during the preceding 24 hours

tons 1400 lbs.

Coal remaining on hand at Noon

126 " 1256 "

P. M.																
1	4 6		N x N	OSE.	3		30.11	80	81	76	78	bc	cum	3	S	
2	4 5		"	"	3		30.12	80	81	76	78	"	"	3	"	
3	4 11		"	"	3		30.11	80	81	76	78	"	"	5	"	
4	4 11		"	"	3		30.11	80	81	76	78	"	"	11	"	
5	4 2		"	"	3		30.12	79	80	74	78	"	"	14	"	
6	4 5		"	SE	3		30.13	79	79	74	79	"	Circum	6	"	
7	5 0		"	SE	3		30.13	79	79	74	79	"	Circum	8	"	
8	5 5		"	"	3		30.12	79	79	74	79	"	"	8	"	
9	5 0		"	"	3		30.16	79	78	74	79	"	"	8	"	
10	5 0		"	"	3		30.19	79	78	74	79	"	"	7	"	
11	5 0		"	"	3		30.18	79	78	74	79	"	Pum	9	"	
Mid.	5 0		"	"	3		30.18	78	77	73	79	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

53° 27' 00" E

Longitude by Chronometer from Observations \*

. . . "

Variation of the Compass by Amplitude observed at Sunset

. . . "

Variation of the Compass by at

. . . "



under the command of

Commander A. H. McCormick  
Friday, October 3d

, U. S. Navy,

1881

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather generally clear and pleasant  
Gentle breeze from E.S.E. Barometer falling. Aneroid 30.08. Patent log 31.  
Signed. C. P. Ains. Lieut

11 to 8 A.M. Fair and pleasant with gentle breeze from Sd and Edb. Vessel  
on her course throughout watch hudding W by N. Patent log 53.4. Aner-  
oid barometer 30.26. Set head sails.

8 A.M. to Meridian. Clear and pleasant. Light drizzling rain  
during second hour. Gentle breeze from S. E by S to E. S. E. At 9.15 mus-  
tered at quarters and exercised 1st, 2d, and 3d divisions at great guns  
and Marine guard at small arms. At 8.45 wind hauled ahead and  
took in port lower and top gallant stunsails. At 9.55 wind hauled  
aft again, braced in and set lower and top gallant stunsails.  
and hauled down head sails. Patent log at end of watch 74.1. Aner-  
oid barometer 30.21.

Meridian to 11 P.M. Partly cloudy but pleasant with gentle breeze  
from E.S.E. Falling barometer. At 11 instructed starboard watch of  
Apprentice boys in English studies. Aneroid 30.18. Patent log 93.6.  
Signed Wainwright Kellogg. Lieut

11 to 6 P.M. Cloudy, pleasant weather. Gentle E.S.E. breeze  
Slight rise in barometer. At 11.45 mustered at quarters and im-  
mediately after exercised at shortening and making sail. Vessel  
on course W by N. Patent log 102.6. Aneroid barometer 30.20.

6 to 8 P.M. Clear and pleasant weather. Gentle breeze from S.E.  
Bright moon and starlight. Patent log at end of watch 12.8 knots  
Aneroid barometer 30.21.

8 P.M. to Midnight. Weather clear and pleasant. Bright moon-  
light. Gentle breeze from S.E. Barometer steady. Aneroid 30.26.  
Patent log 33.1

Signed. Karl Rohrer. Lieut  
C. P. Ains. Lieut

Moonland Examined and found to be correct.  
Dec. 0° 15' 44" N.  
Phase, First Quarter

W. J. Park  
Lieut Navigator.



Making passage from Batavia, Java to Mozambique, E. Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	11 6		W by N.	S. E.	3		30.17	78	78	74	79	bc	ci	9	S	Square sail to topgall
2	5 0		"	"	3		30.16	78	78	74	79	"	"	9	"	jit & port stunsails
3	5 0		"	"	3		30.16	78	78	74	79	"	"	9	"	
4	5 2		"	"	3		30.15	78	78	74	79	"	cicum	8	"	
5	5 0		"	"	3		30.15	76	76	73	79	"	"	7	"	
6	5 6		"	"	3		30.15	76	76	73	79	"	"	6	"	
7	5 6		"	"	3		30.16	77	77	73	79	"	"	6	"	
8	5 6		"	"	3		30.17	77	77	73	79	"	"	7	"	
9	6 0		"	"	3		30.21	78	77	74	79	"	"	8	"	
10	5 8		"	"	3		30.21	78	78	74	79	"	"	8	"	
11	5 5		"	"	3		30.21	78	78	74	79	"	"	8	"	
Noon.	5 5		"	"	3		30.21	79	79	74	79	"	"	8	"	

Distance run by Log since preceding Noon

121 knots 5 fathoms

Latitude by D. R. at Noon

12° 02' " S

Longitude by D. R. at Noon

51° 20' " E

Latitude by Observations at Noon ☉

12° 03' " S

Longitude by Chronometer from Forenoon Observations ☉

51° 18' " E

Current during the time knots fms. per hour, setting to the

1271 Variation of the Compass by Amplitude ☉ observed at Sunrise

0° " "

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

9° " " W

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1850 "

Coal consumed during the preceding 24 hours

tons 1600 lbs.

Coal remaining on hand at Noon

125 " 1896 "

P. M.																
1	1 5		N + N.	S. E.	3		30.17	79	79	74	79	bc	cicum	8	S	
2	5 8		"	"	3		30.17	79	79	74	79	"	"	5	"	
3	5 5		"	"	3		30.11	78	78	74	79	"	"	7	"	
4	5 8		"	"	3		30.11	78	77	74	79	"	"	6	"	
5	5 5		"	S. S. E.	11		30.16	79	78	74	79	"	Picum, Cir	5	"	
6	6 5		"	"	11		30.17	79	78	74	79	bc	Picum, Cir	5	"	Set flying jib
7	7 2		"	S by E.	5		30.18	79	78	74	79	bc	"	5	"	Look in lower stunsail
8	7 0		"	"	5		30.18	79	78	74	79	"	Picum	8	"	Set fore topgall sail
9	7 0		"	"	5		30.18	78	78	74	79	"	"	8	"	
10	7 8		"	"	6		30.18	78	78	74	79	"	"	6	"	
11	8 5		"	"	6		30.18	77	77	73	79	"	"	6	"	Look in port topgall
Mid.	8 6		"	"	6		30.18	77	77	73	79	"	"	4	"	stunsails & flying jib

Longitude by Chronometer from Afternoon Observations ☉

51° 16' " E

Longitude by Chronometer from Observations

\*

0° " "

Variation of the Compass by Amplitude observed at Sunset

0° " "

Variation of the Compass by

at

0° " "



under the command of *Commander A. H. M<sup>r</sup> Connick*

, U. S. Navy,

*Saturday, October 11<sup>th</sup>*

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and pleasant with gentle breezes from Sd and Ed. Vessel on her course throughout watch heading W by N. Aneroid barometer 30.22. Patent log 51.1 knots.

Signed.

*A. J. L. I. Halpine.*

Ensign

11 to 1 A.M. Pleasant weather. Moderate breeze from S.E. Smooth sea. Moon set at 5.15. Aneroid barometer 30.26. Patent log 77.1

Signed.

*W. H. Irwin.*

Lieut

1 A.M. to Meridian. Clear and pleasant. Gentle breeze from S.E. At 10.30 tried up bedding to air. Patent log at end of watch 105.5. Aneroid 30.28.

Signed.

*Wainwright Kellogg.*

Lieut

Meridian to 11 P.M. Clear and pleasant. Gentle S.E. breeze. Falling barometer. At 12.20 changed course to W N W 1/2 W. Vessel on course at end of watch. Patent log 23.8. Aneroid 30.21.

Signed.

*W. G. Hannum.*

Ensign

11 to 6 P.M. Clear and pleasant weather. Moderate breeze from S.E. inclining to freshen. Barometer rising. Smooth sea. Light passing showers second hour of watch. Patent log 36.11 knots. Aneroid barometer 30.25.

Signed.

*Karl Rohrer.*

Lieut

6 to 8 P.M. Weather clear and pleasant. Bright moonlight. Moderate breeze from S by E. Barometer steady. Took in lower stunsail and set fore topmast staysail at 6.27. Aneroid at end of watch 30.28. Patent log 51.6.

Signed.

*E. P. Russ.*

Lieut

8 P.M. to Midnight. Clear and pleasant with stationary barometer and fresh breezes from Sd and Ed. Vessel on her course throughout watch heading to W N W 1/2 W. Took in flying jib and top gallant stunsails. Eclipse of moon commenced at 11.55. Aneroid barometer 30.30. Patent log 84.6 knots.

Signed.

*A. J. L. I. Halpine.*

Ensign

Moon Laid  
Dic 4<sup>th</sup> 42' 12" d.  
Phase, First Quarter

Examined and found to be correct.

*W. H. Park*  
Lieut<sup>2d</sup> Navigator.



## LOG of the UNITED STATES

Steamer "Essex"

3d Rate, 6 Guns,

Making passage from Batavia, Java to Mozambique, E. Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8	6	W N W 1/2 W	S. E.	5		30.18	77	76	73	79	bc	circum	6	S	
2	8	11	"	"	5		30.17	77	76	73	79	"	"	8	"	
3	8	0	"	"	5		30.17	77	76	73	79	"	"	6	"	
4	8	0	"	"	5		30.15	77	76	73	79	"	"	6	"	
5	4 5	4 5	W. S.	"	5		30.13	78	77	74	79	"	"	11	"	Look in both stunsail
6	8	8	"	"	5		30.11	78	77	74	79	"	"	5	"	
7	8	8	"	"	5		30.15	78	77	74	79	"	"	6	"	Set port topstunsail
8	7	6	"	"	5		30.17	78	77	74	79	"	"	8	"	4 fly. jib
9	7	6	"	"	5		30.20	78	77	74	79	"	"	7	"	
10	8	0	"	"	5		30.22	78	78	74	79	"	"	8	"	
11	7	0	"	E S E	5		30.22	79	80	74	79	"	strat	8	"	
Noon.	6	7	S W + W	"	3		30.22	79	80	74	79	"	"	8	"	

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time 1.0 knots — fms. per hour, setting to the

1270 Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at 8 AM

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

177 knots 6 fathoms

12° 16' 00" S

48° 16' 00" E

11° 57' 00" S

48° 03' 00" E

N 31° W

° ' "

10° 00' 00" W

330 gallons.

"

1270 "

2 tons 1920 lbs.

122 " 2216 "

P. M.																
1	5	2	S W + W	E S E.	3		30.18	81	81	75	80	bc	circum	5	S	Look in mainsail
2	4	5	"	"	3		30.17	81	81	75	80	"	"	6	"	
3	4	2	"	"	3		30.16	81	81	75	80	"	"	7	"	
4	3	5	"	"	2		30.14	80	81	75	80	"	circum	3	"	
5	4	2	"	"	2		30.11	80	80	75	80	"	"	3	"	
6	7	0	"	"	2		30.11	81	80	75	80	"	"	3	"	Look in all sail
7	7	2	"	N W + N.	2		30.17	81	80	75	80	"	circum	2	"	
8	7	0	"	"	2		30.19	81	80	75	80	"	"	11	"	Set head sails
9	7	2	"	W + N.	2		30.19	80	80	75	80	"	"	5	"	
10	7	6	"	"	2		30.20	80	80	75	80	"	"	5	"	
11	8	0	"	"	2		30.20	80	80	75	80	"	circum	7	"	
Mid.	8	0	"	"	2		30.19	80	80	75	80	"	"	3	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by ☉ Az at 4 PM

48° 04' 00" E

° ' "

10° 00' 00" W

10° 30' 00" W



under the command of *Commander A. H. M<sup>c</sup> Cormick*  
*Sunday, October 5.*

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Pleasant weather. Moderate to fresh breeze from S.E. Long swell from S.W. Observed a total eclipse of the moon beginning at 12<sup>00</sup>, completely obscured at 12<sup>30</sup>; remaining in shadow about one hour and thirty minutes. Aneroid barometer 30.24. Patent log 18.

Signed *W. M. Irwin. Lieut.*  
11 to 8 A.M. Clear and pleasant. Fresh breeze from S.E. Smooth sea. At 11.20 took in topmast stunsail. At 11.30 changed course to W by S. Patent log 22.6. At 5<sup>30</sup> sighted low land bearing South, and at 6<sup>30</sup> high land. (Hunter mountain) bearing South, distant about 20 miles. At end of watch small island in sight bearing South, Patent log 82.4. Aneroid 30.30.

Signed *Wainwright Kellogg. Lieut.*  
8 A.M. to Meridian. Clear and pleasant. Moderate S.E. and E.S.E. breeze. Rising barometer. At 9.15 called all hands to muster and read Articles of War. Vessel on course W by S. Patent log 82.3. Aneroid barometer 30.26.

Signed *W. G. Hannum. Ensign*  
Meridian to 11 P.M. Partly cloudy with gentle breeze from E.S.E. Falling barometer. At noon changed course to S.W. by W. At 12.25 took in port lower stunsail, foretopmast staysail, and flying jib. At 12.50 took in mainsail, and unberst it, and put cover on main mainyard, and on main, and mizzen masts. At 1.20 hoisted smokestack and started fires under boilers 2, 4, 5, 6, 7 and 8. At 3.25 banked fires. Aneroid 30.20. Patent log 100.5 knots.

Signed *Karl Rohrer. Lieut.*  
11 to 6 P.M. Weather clear and pleasant. Gentle to light airs from E.S.E. Barometer steady. At 11.20 shortened and furled sail, and started ahead under steam. Aneroid at end of watch 30.20. Patent log 11.8.

Signed *C. P. Aus. Lieut.*  
6 to 8 P.M. Cloudy and pleasant. Vessel on course throughout watch heading S.W. by W. Set head sails. Aneroid barometer 30.24. Patent log 26.2. At steam 34. Revolutions 40.

Signed *W. J. L. J. Halpin. Ensign*  
8 P.M. to Midnight. Cloudy. Pleasant. Light breeze from W by N. Steam 43 lbs. Revs. 43. Patent log 57.8. Aneroid barometer 30.27.

Signed *W. M. Irwin. Lieut.*

Moon found - Examined and found to be correct.  
Dec 8° 57' 29" ch.  
Phase. Full moon

*W. H. Park*  
Lieut. & Navigator.



## LOG of the UNITED STATES

Steamer "Essex"

3d Rate, 6 Guns,

Making passage from Batavia, Java to Mozambique, E. Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8	6	SW x W.	W.	11		30.11	80	79	75	79	bc	cir cum	6	S	
2	8	11	"	"	11		30.11	80	79	75	79	"	"	6	"	
3	8	6	"	"	11		30.11	80	79	75	79	"	"	11	"	
4	8	6	"	"	11		30.13	80	79	75	79	"	"	5	"	
5	8	11	"	"	3		30.12	80	79	75	79	"	"	2	"	
6	8	5	"	"	3		30.12	80	79	75	79	"	"	3	"	
7	8	5	"	"	3		30.11	80	79	75	79	"	"	6	"	
8	8	5	"	"	3		30.11	80	79	75	79	"	"	8	"	
9	8	8	W x S.	SW.	3		30.16	82	82	78	79	"	"	11	"	
10	9	0	"	SW x S.	3		30.18	83	81	77	79	"	"	7	"	Light flying jib
11	9	0	"	"	3		30.19	83	81	77	79	"	"	8	"	
Noon.	9	0	"	"	3		30.18	83	82	77	81	"	"	8	"	

Distance run by Log since preceding Noon

177 knots 7 tenths fathoms.

Latitude by D. R. at Noon

13° 48' 00" S

Longitude by D. R. at Noon

45° 44' 00" E

Latitude by Observations at Noon ☉

13° 40' 00" S

Longitude by Chronometer from Forenoon Observations ☉

45° 44' 00" E

Current during the time knots fms. per hour, setting to the

70.

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at E. A. M.

11° 00' 00" W.

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

920 "

Coal consumed during the preceding 24 hours

12 tons 920 lbs.

Coal remaining on hand at Noon

110 " 1296 "

P. M.																
1	4	0	W x S.	S. S. W.	3		30.13	82	82	77	81	bc	cir cum	8	S	Set for loft stay sail
2	4	2	W 1/4 W.	"	3		30.10	82	82	76	81	"	"	8	"	Lock in main trypail
3	7	8	"	"	3		30.08	82	82	75	81	"	"	9	"	
4	7	6	"	W S W.	3		30.06	82	81	75	81	"	"	9	"	
5	7	0	"	"	1		30.06	82	81	75	81	"	"	9	"	Lock in head sails
6	7	11	"	"	1		30.06	82	81	74	81	"	"	9	"	
7	7	2	"	"	1		30.06	82	81	74	80	"	"	9	"	
8	7	2	"	"	2		30.06	83	81	74	80	"	"	9	"	
9	7	2	"	W.	1		30.07	82	81	74	80	b	"	10	"	
10	7	6	"	"	1		30.10	82	81	74	80	"	"	10	"	
11	7	8	"	"	1		30.10	82	81	74	80	"	"	10	"	
Mid.	7	0	"	"	2		30.10	82	81	74	80	"	"	10	"	

Longitude by Chronometer from Afternoon Observations ☉

45° 50' " E

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by at

° ' "



under the command of

Commander A. H. M. Cornick

, U. S. Navy,

Monday, October 6th

, 1894.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and pleasant. Light breeze from West. Smooth sea. Moonlight. Steaming under six boilers. Aneroid 30.20. Patent log 92.5.

Signed. Wainwright Kellogg. Lieut  
11 to 8 A.M. Clear and pleasant. Gentle W by breeze. Barometer almost steady. Vessel on course S W by W. Patent log 26.7. Aneroid barometer 30.23.

Signed. W. G. Hannum. Ensign  
8 A.M. to Meridian. Clear and warm. Gentle breeze from S W and S W by S. At 8.14 changed course to W by S. Patent log reading 28.8. At 9.30 set jib and flying jib. J. J. Walton (Dr Gr) term of enlistment expired. Patent log at end of watch 63.2. Aneroid 30.19. Revs 50. Steam 50.

Signed. Karl Rohrer. Lieut  
Meridian to 11 P.M. Weather clear and warm with light breeze from S S W and W S W. At 12.30 changed course to W 1/4 N. Patent log reading 67.8. At 1.00 set fore topmast stay sail, and main trysail. Instructed port watch of apprentice boys in English studies. At 1.35 took in main trysail. Aneroid 30.20. Patent log 95.8.

Signed. C. P. Reis. Lieut  
11 to 6 P.M. Clear and pleasant with light airs from W. Took in head sails. At 11.45 had evening quarters. At steam. At cows. Aneroid barometer 30.12. Patent log 10.6. Vessel on her course throughout watch heading W 1/4 N.

Signed. N. J. L. J. Halpin. Ensign  
6 to 8 P.M. Pleasant weather. Gentle breeze from W S W. Smooth sea. Steam 35 lbs. Revs. 33. Aneroid barometer 30.16. Patent log 56.11.

Signed. W. M. Irwin. Lieut  
8 P.M. to Midnight. Clear and pleasant. Light airs from West. Smooth sea. Steaming under six boilers. Moonlight. Aneroid 30.20. Patent log 56.11.

Signed. Wainwright Kellogg. Lieut

Moonlight  
Dec 12° 42' 55" N.  
Phase. Full moon.  
Examined and found to be correct.

W. H. Park  
Lieut & Navigator.



## LOG of the UNITED STATES

Steamer "Essex", 3d Rate, 6 Guns,  
Making passage from Patavia, Java, to Mozambique, East Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	4 8		N/4 E.	N.	2		30.08	81	81	74	80	b		10	S	
2	4 8		"	N/4 W.	2		30.08	80	80	74	80	"		10	"	
3	7 8		"	"	2		30.08	80	80	75	80	"		10	"	Set headsails
4	8 0		"	"	2		30.05	80	79	75	80	bc	Pis Cum	8	"	
5	8 0		"	N/4 W.	3		30.05	80	79	74	80	"	Pis Cum	7	"	
6	8 0		"	"	3		30.05	80	79	75	80	"	Pis Cum	6	"	
7	8 0		"	"	2		30.10	80	79	75	80	"	"	7	"	
8	8 0		"	"	2		30.12	80	79	75	80	"	"	7	"	Set in headsails
9	4 8		"	"	2		30.12	80	80	75	80	"	"	7	"	
10	8 0		"	"	2		30.12	80	80	76	80	"	"	6	"	
11	7 2		"	"	2		30.12	81	81	76	80	"	Pis Cum	8	"	
Noon.	7 5		"	"	2		30.12	81	81	76	80	"	"	8	"	

Distance run by Log since preceding Noon

185 knots 1 tenths fathoms.

Latitude by D. R. at Noon

14° 08' " S

Longitude by D. R. at Noon

142° 30' " E

Latitude by Observations at Noon ☉

14° 04' " S

Longitude by Chronometer from Forenoon Observations ☉

142° 42' " E

Current during the time 0.5 knots — fms. per hour, setting to the N. 11° E

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

1269 Variation of the Compass by Azimuth ☉ observed at 8 A.M.

12° 00' " N

Water expended during the preceding 24 hours

350 gallons.

Water distilled during the preceding 24 hours

470 "

Water remaining on hand fit for use at Noon

1040 "

Coal consumed during the preceding 24 hours

114 tons 940 lbs.

Coal remaining on hand at Noon

95 " 1596 "

P. M.																
1	5 7		N/4 W.	N/4 W.	1		30.11	83	84	76	80	bc	Pis Cum	7	S	
2	5 7		"	"	2		30.10	84	85	76	80	"	"	6	"	
3	5 7		"	"	2		30.10	84	85	76	80	"	"	5	"	
4	4 2		"	"	2		30.09	82	83	76	80	"	"	5	"	
5	5 2		"	N.	2		30.05	82	82	75	80	"	"	6	"	
6	5 6		"	"	2		30.05	81	81	75	80	"	"	5	"	
7	6 0		"	"	2		30.03	80	80	75	80	"	"	6	"	
8	5 5		"	"	2		30.04	80	80	75	80	"	"	6	"	
9	5 5		"	"	3		30.07	80	80	75	80	"	"	8	"	
10	5 5		"	"	3		30.08	80	79	74	80	"	"	8	"	
11	5 5		"	"	3		30.08	78	79	74	80	"	"	8	"	
Mid.	5 5		"	"	3		30.08	78	78	74	80	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

142° 46' " E

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

12° 30' " E



under the command of

Commander A. H. McCormick

, U. S. Navy,

Tuesday, October 7

, 1874.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Clear, and pleasant. Bright moonlight  
Light W by and W & W. breezes. Slight fall in barometer. Vessel on course  
W 1/4 N. Patent log 87.6. Aneroid 30.44. Air steam 38 lbs. Revolutions 144.

Signed. W. G. Hannum. Ensign.

11 to 8 A.M. Clear and pleasant weather. Light to gentle breeze from  
N. W. Barometer rising. Started fire under two boilers for distilling.  
Patent log at end of watch 20.04 knots. Aneroid barometer 30.19.

Signed. Karl Rohrer. Lieut.

8 A.M. to Meridian. Clear and warm. Light N. W. breeze. At 9 slowed  
down by order of Commanding Officer to run between 6.0 and 6.5 knots  
but went ahead shortly afterwards and let steam run down. At 9.15  
mustered at quarters. Sent cables. Patent log at end of watch  
53. Aneroid barometer 30.18.

Signed. C. P. Rees. Lieut.

Meridian to 11 P.M. Clear and pleasant. Light breeze from N. W.  
and W. Vessel on course until 3.47 when began swinging ship  
and hauled in patent log registering 76.1. Distilling Air steam  
A runs. Aneroid barometer 30.12. Instructed Apprentices in English  
studies.

Signed. N. J. I. Halpine. Ensign

11 to 6 P.M. Pleasant weather. Gentle breeze from N. Smooth sea  
mustered at quarters at 11.45. Sent up fore and main top gallant stunsail  
booms. Steam 45 lbs. Revs 22. Aneroid barometer 30.13. Distilling.

Signed. W. M. Irwin. Lieut.

6 to 8 P.M. Clear and pleasant. Light W by breeze. Barometer almost steady.  
Vessel on course W 1/4 N. Patent log 96.2. Aneroid barometer 30.31. Air steam 45 lbs.  
Revs 29.2.

Signed. W. G. Hannum. Ensign.

8 P.M. to Midnight. Weather clear, and pleasant. Gentle breeze from  
North. Barometer steady. Bright moon, and starlight. Under steam.  
pressure 40 lbs and making 30 revolutions. Distilling. Patent log 16.9  
at end of watch. Aneroid barometer 30.18.

Signed. Karl Rohrer. Lieut.

Moon Laid Examined and found to be correct.  
Dec 15° 46' 42" N.  
Phase, Full moon.

W. T. Park  
Lieut & Navigator.



Making passage from Batavia, Java to Mozambique, East Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	5 11		N 1/2 N.	N x E	2		30.06	80	79	75	80	bc	cir cum	6	S	
2	5 11		"	"	3		30.01	80	79	75	80	"	"	9	"	
3	5 11		"	N E.	3		30.02	80	79	75	80	"	gir	9	"	
4	5 11		"	"	3		30.00	79	79	75	80	"	cir cum	7	"	
5	3 6 1 11		N 1/2 W.	"	3		30.00	79	79	75	80	"	"	7	"	
6	4 6		"	N W.	3		30.00	79	79	75	80	"	"	6	"	
7	9 2		"	"	3		30.05	79	78	74	80	"	"	7	"	
8	9 0		"	"	3		30.08	79	78	74	80	"	"	7	"	
9	9 0		"	"	3		30.12	79	79	75	80	"	"	8	"	
10	15-00		Anchored N W x N 1/2 W.	"	11		30.12	79	79	76	80	"	"	8	"	
11	40-40		"	N E x N.	5		30.12	79	80	76	80	"	"	8	"	
Noon.			N E x E.	E N E	5		30.12	80	81	76	80	"	"	8	"	

Distance run by Log since preceding Noon

136 knots 8 tenths fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

340 gallons.

Water distilled during the preceding 24 hours

2060 "

Water remaining on hand fit for use at Noon

2760 "

Coal consumed during the preceding 24 hours

12 tons 2220 lbs.

Coal remaining on hand at Noon

82 " 1616 "

P. M.																
Anchored			E x N.	E x N.	5		30.12	80	81	76		bc	cir cum	8	S	
Moved			"	"	5		30.08	81	81	76		"	"	8	"	
3			"	"	5		30.05	81	81	76		"	"	8	"	
4			"	"	5		30.05	81	81	76		"	"	8	"	
5			N E x N.	E N E.	5		30.05	81	81	76		"	"	7	"	
6			N N E.	N N E.	5		30.07	81	79	76		"	cir cum 8 cum	6	"	
7	Ob.		West	N E.	5		30.06	80	79	76		"	cir	9	"	
8			N W.	"	5		30.05	80	79	76		"	"	9	"	
9			N W x W.	"	5		30.07	80	79	76		"	cir cum slat	9	"	
10			"	"	5		30.06	80	78	75		"	cir cum	7	"	
11			"	"	11		30.09	79	78	75		"	"	8	"	
Mid.	Slack waters		"	"	11		30.10	79	78	75		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. McCormick  
Wednesday October 8th

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Weather clear and pleasant. Bright moon-  
light. Gentle breeze from N<sup>W</sup> and E<sup>W</sup>. Barometer falling. Aneroid at end of watch  
30.10. Patent log 41.4. Distilling.

Signed.

L. P. Aves.

Lieut

4 to 8 A.M. Clear and pleasant with gentle breezes and rising barometer. At 4.15  
changed course to N S W. At 6.10 stopped distilling. At 6.40 made low land one  
point on starboard bow. Av. steam. 46. Av. rev. 46. Aneroid bar. 30.17. Pat. log 72.7 knots

Signed.

A. J. I. I. Halpine.

Ensign

8 A.M. Pleasant weather. Moderate breeze from N. W. hauling to N E by N and E N E  
and freshening. Standing in for anchorage in harbor of Mozambique, under  
guidance of Commanding Officer. At 8.24 changed course to S W by S, patent  
log 76.2; at 8.45 to West, patent log 79.4; at 9.20 to N W by W 1/4 W, patent log 89. At 9.50  
hailed in patent log. Signal station on shore made (International code) sig-  
nal B. A. W. Answered P. M. J. D. Signal station made P. P. C. Answered E. K. K. Sig-  
nal station made D. V. H. L. P. Answered H. D. V. At 10.15 called all hands bring ship to  
anchor and at 10.25 came to with the starboard anchor in Mozambique harbor in  
in 4 1/2 fathoms water veering to 15 fathoms on starboard chain. Tearing of anchor-  
age: San Sebastian flagstaff S by E 1/2 E. North end of pier S W 3/4 W Ship's head  
North. Draft 13' 5" forward, 15 ft in aft. Packed fires. Received visits from Captain of  
the port and from Portuguese man of war in the harbor.

Signed

W. M. Irwin.

Lieut

Meridian to 11 P.M. Clear and pleasant. Stiff breeze from E by N. At 1.25  
called all hands moor ship, moored with 3 1/2 fathoms on starboard chain,  
and 23 1/2 fathoms on port chain: E N E and N S W. Sent down light yards and un-  
bent sails. Sent officer ashore for mail, but found none for us. Aneroid bar. 30.11  
Hauled fires at 2.

Signed.

A. O. Bitter.

Ensign

11 to 8 P.M. Clear and pleasant. Fresh N. E. and N E breeze. Steady bar-  
ometer. Vessel swung to the ebb at 6.40. Clear hawse.

Signed.

W. G. Hannum.

Ensign

8 P.M. to Midnight. Weather. Pleasant. Moderate to fresh breeze from N E.  
Barometer steady. Slack water at 11.50. Aneroid barometer 30.18.

Signed

Karl Rohrer.

Lieut

Moon mid  
Dec 17 35 59' A.  
Phase, Full moon.

Examined and found to be correct.

W. H. Parth  
Lieut & Navigator.



Moored off Mozambique. East Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	Flood		E.N.E.	N.E.	11		30.10	78	78	74		bc	dis cum	6	S	
2			"	"	11		30.10	78	78	74		"	"	11	"	
3			"	"	11		30.08	78	78	74		"	"	11	"	
4			N.E.	E.N.E.	11		30.08	78	78	74		"	"	11	"	
5			"	"	11		30.08	78	78	75		"	"	7	"	
6			N.W.	"	3		30.10	79	78	75		"	"	6	"	
7			N.W.	N.E.	3		30.12	79	78	75		"	"	6	"	
8			"	"	3		30.11	79	78	75		"	"	6	"	
9	Ebb		N.W.	"	3		30.16	79	79	75		"	"	7	"	
10			"	N.E.	11		30.16	79	79	75		"	"	7	"	
11			N.E.	"	11		30.16	79	79	75		"	"	8	"	
Noon.			"	"	11		30.16	79	79	75		"	"	8	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon " "

Longitude by D. R. at Noon " "

Latitude by Observations at Noon ☉ " "

Longitude by Chronometer from Forenoon Observations ☉ " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise " "

Variation of the Compass by Azimuth ☉ observed at " "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2160 "

Coal consumed during the preceding 24 hours tons 1100 lbs.

Coal remaining on hand at Noon 82 " 1216 "

P. M.																
1	Flood		E.N.E.	E.N.E.	11		30.11	80	80	75		bc	dis cum	8	"	
2			E.N.	E.N.	11		30.11	80	80	75		"	"	8	"	
3			"	"	11		30.08	80	80	75		"	"	8	"	
4			"	"	11		30.08	80	80	75		"	"	8	"	
5			"	"	11		30.08	82	80	76		"	"	8	"	
6			"	N.E.	4-5		30.10	82	80	76		"	dis cum & cum	6	"	
7	Ebb		N.	"	4-5		30.12	81	81	76		"	"	7	"	
8			N.W.	"	11		30.10	80	80	76		"	dis	9	"	
9			"	"	11		30.07	80	79	75		"	"	9	"	
10			"	"	11		30.07	79	79	75		"	"	9	"	
11			"	"	11		30.07	79	79	75		"	"	8	"	
Mid.			"	"	11		30.06	79	78	75		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉ " "

Longitude by Chronometer from Observations \* " "

Variation of the Compass by Amplitude observed at Sunset " "

Variation of the Compass by at " "



under the command of *Commander A. H. M<sup>r</sup> Cornick*, U.S. Navy,  
*Thursday, October 9th*, 188*12*.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

*Commences and until 11 A.M. Partly cloudy with moderate breeze from N.E. Falling barometer. Aneroid 30.17. Clear hawse.*

*Signed. W. J. Sears. Ensign.*

*11 to 8. A.M. Weather clear and pleasant, Gentle breeze from N by E. Barometer rising. Aneroid, at end of watch 30.23. Clear hawse.*

*Signed. L. P. Rice. Lieut*

*8 A.M. to Meridian. Clear cool and pleasant, with moderate breeze from N by E. Commanding Officer left ship to pay official visits to the Governor of the Province and to the Commanding Officers of the men of war in port, Chas. Carter (Lt.) Oscar Smith (Lt.), and A. E. Anderson (Sic) reported the expiration of their respective terms of enlistment. Clear hawse. Aneroid barometer 30.20. By order of Commanding Officer, Jas. H. Stewart (Lds.) and Franklin A. Morris (Lds.) were given four hours extra duty for neglect of duty, and W<sup>m</sup> Featherstone (Lds.) and Hayashi Hajime (Lds.) were given four hours extra duty for treating with contempt orders from the Officer of the Deck.*

*Signed. A. J. L. Halpine. Ensign.*

*Meridian to 11 P.M. Clear and pleasant, Moderate breeze from E by N to E by N. Clear hawse. Aneroid barometer 30.15.*

*Signed. W. M. Irwin. Lieut*

*11 to 8. P.M. Clear and pleasant, Moderate to stiff breeze from E by N to N.E. At 11.45 mustered at quarters. Hoisted boiler into steam cutter. Commenced swinging to ebb tide, at 6.08. finished at 7.50. Clear hawse. Aneroid barometer 30.19.*

*Signed. R. O. Bitter. Ensign*

*8 P.M. to Midnight, Clear and pleasant. Moderate breeze from N.E. Moonlight, Ebb tide. Aneroid 30.21.*

*Signed. Mainwrights Kellogg. Lieut*

*Moon 1 mid Examined and found to be correct.  
Dec. 18° 21' 10" dr  
Phase. Full moon*

*W. H. Parker  
Lieut & Navigator.*



Moored off Mozambique. East Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	Flood		N.E.	N.E.	11		30.10	79	78	74		bc	cir cum	8	S	
2			E.N.E.	"	11		30.09	79	78	74		"	"	11	"	
3			E	N.	3		30.08	77	77	74		"	"	8	"	
4			E x N.	"	3		30.08	77	77	74		"	sev	9	"	
5			"	"	3		30.07	78	78	75		"	"	9	"	
6			N.N.W.	"	3		30.07	78	78	75		"	"	9	"	
7	Ebb		"	"	11		30.10	79	78	75		"	cir cum	8	"	
8			N.N.W.	"	11		30.10	78	78	75		"	"	7	"	
9			"	"	11		30.16	78	78	75		"	"	8	"	
10			N.W.	N.E.	11		30.16	78	78	75		"	"	6	"	
11			"	"	11		30.16	79	78	75		"	"	6	"	
Noon.			"	"	11		30.11	80	79	76		"	"	7	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon " " "

Longitude by D. R. at Noon " " "

Latitude by Observations at Noon ☉ " " "

Longitude by Chronometer from Forenoon Observations ☉ " " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise " " "

Variation of the Compass by Azimuth ☉ observed at " " "

Water expended during the preceding 24 hours 300 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2160 "

Coal consumed during the preceding 24 hours tons 1100 lbs.

Coal remaining on hand at Noon 137 " 816 "

P. M.																
1	Flood		N.E.	N.E.	11		30.11	80	80	76		bc	cir cum	6	"	
2			N.E. x E.	"	11		30.13	81	81	76		"	"	5	"	
3			"	N.E. x E.	11		30.10	81	81	76		"	"	11	"	
4			"	"	11		30.10	81	81	74		"	"	11	"	
5			E x N.	"	11		30.08	81	81	77		"	"	5	"	
6			"	"	11		30.08	81	81	77		"	"	6	"	
7			N.E. x E.	"	11		30.10	81	78	77		"	"	8	"	
8	Ebb		N.W. x N.	N.E.	11		30.10	81	78	76		"	"	8	"	
9			"	"	11		30.10	79	78	76		"	"	8	"	
10			"	"	11		30.10	79	78	74		"	"	7	"	
11			N.W.	N.	11		30.10	79	77	76		"	"	8	"	
Mid.			"	"	11		30.10	79	77	76		"	"	6	"	

Longitude by Chronometer from Afternoon Observations ☉ " " "

Longitude by Chronometer from Observations \* " " "

Variation of the Compass by Amplitude observed at Sunset " " "

Variation of the Compass by at " " "



under the command of

Commander S. H. McConnick  
Friday, October 10<sup>th</sup>

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and pleasant. Bright moonlight. Moderate N.E. and N.W. breeze. Falling barometer. Vessel riding to flood. Aneroid 30.16.

Signed. W. E. Hannum. Ensign

11 to 8 A.M. Weather clear and pleasant. Gentle to moderate breeze from North. Received two lighters of coal, along side. Aneroid barometer 30.22.

Signed. Karl Rohrer. Lieut

8 A.M. to Meridian. Clear and pleasant with moderate breeze from N.E. Rising barometer. Engaged in coaling ship. John Carson (1st Fire) and John F. Hedenger (Drummer U.S.M.C.) enlistments expired this day. By order of Commanding Officer released Louis F. Schuman (cox) from confinement. Hoisted out Steam Cutter. Scrubbed main and mizzen masts and main yard. Commanding Officers of two Portuguese men of war paid official visits to Commanding Officer. Slack water at 11.45. Aneroid barometer 30.20.

Signed. W. J. Sears. Ensign

Meridian to 11 P.M. Clear, cool and pleasant. Gentle breeze from N.E. to N.E. by E. Engaged in coaling ship. Lieuts M. R. S. Mackenzie and C. P. Ault and P. A. Paymaster Louis A. York, left the ship on leave until the 13<sup>th</sup> inst. Received an official visit from an Aide de Camp of the Governor of the Province. Aneroid barometer 30.18. Clear hawse. Flood tide at end of watch.

Signed. A. J. L. T. Halpin. Ensign

11 to 8 P.M. Clear and cool. Moderate breeze from N.E. Finished coaling having taken in 55 tons. Swung to the ebb at 7.15. Aneroid barometer 30.19. Hoisted Steam Cutter. Clear hawse.

Signed. W. M. Irwin. Lieut

8 P.M. to Midnight. Clear and pleasant with moderate breeze from N.E. to N. At 11.30 moon rose. Aneroid barometer 30.19.

Signed. R. O. Bittler. Ensign

Moonlight  
Dec 17° 55' 13" N.  
Phase, Full moon.

Examined and found to be correct.

W. S. Park  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	Ebb		N+E	N.	11		30.10	78	77	76		bc	circum	9	S	
2	Flood		"	"	2		30.08	78	77	76		"	"	9	"	
3			ENE	"	2		30.08	78	77	76		"	"	8	"	
4			"	"	2		30.08	78	77	76		"	"	9	"	
5			"	"	2		30.08	77	76	74		"	"	8	"	
6			NE	"	1		30.08	77	76	74		"	"	8	"	
7	Ebb		N.	N+E	2		30.08	79	77	74		"	"	9	"	
8			NW+N.	"	2		30.08	79	77	74		"	"	7	"	
9			"	NE.	11		30.10	80	79	75		"	pis	9	"	
10			"	"	5		30.12	80	79	75		"	circum	8	"	
11			"	"	5		30.12	81	80	76		"	"	8	"	
Noon.			"	"	5		30.12	81	80	76		"	"	8	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

400 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1760 "

Coal consumed during the preceding 24 hours

tons 1800 lbs.

Coal remaining on hand at Noon

136 " 1256 "

P. M.																
1	Ebb		NW+N.	NE	11		30.08	80	79	76		bc	circum	7	"	
2	Flood		NE	"	11		30.08	80	80	76		"	"	7	"	
3	"		"	"	11		30.08	80	80	76		"	"	8	"	
4	"		NE+E	"	11		30.07	80	80	76		"	"	8	"	
5	"		"	"	2		30.07	80	80	76		"	"	8	"	
6	"		"	"	2		30.07	80	79	76		"	"	8	"	
7	"		"	"	2		30.07	79	78	75		"	"	9	"	
8	"		NE+N.	"	11		30.07	79	78	75		"	"	9	"	
9	Ebb		N.	"	11		30.09	80	78	75		"	cir	9	"	
10	"		NNW	"	11		30.09	80	78	75		"	"	9	"	
11	"		"	"	11		30.09	80	78	75		"	"	9	"	
Mid.	"		"	"	5		30.08	80	78	75		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. McCormick

, U. S. Navy,

Saturday, October 11th

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Clear and pleasant. Moderate to light breeze from S.E. Aneroid 30.14. Ebb tide: commenced swinging to flood at 12.15.

Signed. Mainwright Kellogg. Lieut  
11 to 8 A.M. Clear and warm. Light N.W. and N.E. breeze. Barometer steady. Vessel swung to the ebb at 8. Clear hawse. Pumped ship out. Aneroid barometer 30.21.

Signed. W. E. Hammon. Ensign  
8 A.M. to Meridian. Weather clear and pleasant, fresh breeze from N.E. Barometer steady. A Portuguese gunboat went to sea. Crossed top gallant yards. Aneroid barometer 30.19.

Signed. Karl Rohrer. Lieut  
Meridian to 11 P.M. Clear and pleasant weather with moderate breeze from N.E. Steady barometer. Put covers on fore and aft sails. Aneroid 30.14.

Signed. W. J. Sears. Ensign  
11 to 8 P.M. Clear and pleasant with stationary barometer and light breeze from N.E. Aneroid barometer 30.18. Riding to flood, at end of watch with clear hawse.

Signed. A. J. L. Halpine. Ensign  
8 P.M. to Midnight. Clear, cool and damp. Heavy dew. Moderate breeze from N.E. Commenced swinging to the ebb at 8.35. Clear hawse. Aneroid barometer 30.18.

Signed. W. M. Irwin. Lieut

Moon L mid Examined and found to be correct.  
Dec 16° 23' 20" alt.  
Phase, Last Quarter

W. H. Park  
Lieut Navigator.



Moored off Mozambique. East Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	Ebb		N.W.	N.E.	11		30.07	80	78	76		bc	Cir Cum	6	S	
2	Flood		"	"	3		30.06	78	78	75		"	"	8	"	
3			N.	"	2		30.06	77	77	74		"	"	8	"	
4			"	"	2		30.06	77	77	74		"	"	8	"	
5			E.	"	1		30.08	77	77	74		"	"	9	"	
6			"	"	1		30.10	77	77	74		"	"	9	"	
7			"	Calm	0		30.13	77	78	75		"	"	9	"	
8			E.S.E.	N.E.	0-1		30.16	78	78	75		"	"	6	"	
9			E.	E.S.	1		30.16	78	78	76		"	"	5	"	
10	Ebb		S.E. x E.	S.	1		30.16	78	78	76		"	"	14	"	
11			S.S.E.	S.E.	1		30.16	79	79	76		"	"	14	"	
Noon.			N.W.	"	2		30.16	79	79	76		"	"	3	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

320 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1440 "

Coal consumed during the preceding 24 hours

tons 800 lbs.

Coal remaining on hand at Noon

136 " 1450 "

P. M.																
1	Ebb		N.W.	S.E.	2		30.14	80	79	77		bc	Cir Cum	5	"	
2			S.S.W.	"	2		30.13	80	80	77		"	"	6	"	
3	Flood		S.E.	"	2		30.10	82	80	76		"	"	5	"	
4			"	"	2		30.09	82	80	76		"	"	6	"	
5			"	"	2		30.09	81	80	76		"	Cir Cum	6	"	
6			"	"	2		30.09	80	80	76		"	"	6	"	
7			E.	E.	2		30.10	80	79	76		"	Cir Cum	7	"	
8			"	"	2		30.13	80	79	76		"	"	8	"	
9			"	"	1-2		30.15	79	79	76		bc	"	8	"	
10			"	E.S.E.	1-2		30.15	79	79	76		"	"	8	"	
11	Ebb		N.W.	"	1-2		30.15	79	78	76		"	"	8	"	
Mid.			"	"	0-1		30.15	79	78	76		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. McCormick  
Sunday, October 12.

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and pleasant. Light to moderate breeze from S.E. At 1.25 swung to flood. Aneroid bar. 30.15.

Signed.

R. O. Bitter.

Ensign

11 to 8 A.M. Cloudy. Pleasant. Light variable, airs, and calm.

Flood tide, during watch. Aneroid 30.25.

Signed.

Wainwright Kellogg. Lieut

8 A.M. to Meridian. Partly cloudy. Warm and pleasant. Light variable breeze. Steady barometer. At 9.30, mustered at quarters. Commanding Officer inspected ship and crew. Swung to the ebb at 11.30. Crossed hawse. Aneroid 30.23.

Signed.

W. G. Hammon.

Ensign.

Meridian to 11 P.M. Weather clear and pleasant. Light breeze from S.E. Barometer falling. Swung to flood at 2.45. Clear hawse. Aneroid barometer 30.18.

Signed.

Karl Rohrer.

Lieut

11 to 8 P.M. Clear and pleasant, with light breeze from East and S.E. Rising barometer. Hoisted out steam launch. Aneroid 30.20. at end of watch. Clear hawse.

Signed.

W. J. Sears.

Ensign

8 P.M. to Midnight. Clear and pleasant, with light airs, and breezes from E. Bright starlight. Swung to ebb with clear hawse. Aneroid bar. 30.20. Occasional lightning to W.

Signed.

A. J. L. T. Halpine.

Ensign

Moonland. Examined and found to be correct.  
Dec. 13° 55' 32" N.  
Phase. Last Quarter.

W. T. Parker  
Lieut & Navigator.



Moored off Mozambique East Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	Eff		N + S.	Calm	0		30.14	80	80	76		bc	cir	9	S	
2				"	0		30.13	80	80	76		"	circum	7	"	
3			N.	"	0		30.13	80	80	76		"	"	6	"	
4			"	"	0		30.13	80	80	76		"	"	9	"	
5			"	S W.	0-1		30.13	78	78	76		"	"	6	"	
6			"	"	0-1		30.15	78	78	76		"	"	11	"	
7	Flood		S W + N.	"	0-1		30.17	78	78	76		"	"	7	"	
8			E S E.	"	0-1		30.20	79	81	78		"	"	7	"	
9			S E.	"	0-1		30.21	79	81	78		"	"	7	"	
10			"	"	0-1		30.21	79	81	77		"	"	7	"	
11	Eff		E S E.	S S W.	1		30.21	79	81	77		"	"	7	"	
Noon.			"	"	1		30.19	81	81	77		"	"	7	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

320 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1120 "

Coal consumed during the preceding 24 hours

tons 400 lbs.

Coal remaining on hand at Noon

136 " 56 "

P. M.																
1	Eff		S + W	S E.	2		30.16	80	80	76		bc	circum	7	"	
2			N + S.	"	2		30.14	80	80	76		"	"	7	"	
3			"	"	2		30.14	80	80	76		"	"	6	"	
4			S + E.	"	3		30.14	81	80	76		"	"	5	"	
5	Flood		E S E.	E S E.	3		30.15	81	80	76		"	"	5	"	
6			"	"	3		30.15	81	80	76		"	"	5	"	
7			"	"	3		30.17	81	80	76		"	cir	9	"	
8			"	"	11		30.17	81	80	76		"	"	9	"	
9			E + S.	"	3		30.17	81	78	74		"	"	9	"	
10			"	"	11		30.19	81	78	74		"	"	9	"	
11			"	"	11		30.19	81	78	74		"	"	9	"	
Mid.			"	"	2		30.19	79	78	74		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>c</sup> Cormick  
Monday, October 13.

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Pleasant weather. Calm. Moon rose at 1.30. Clear hawse. Aneroid barometer 30.20.

Signed. W. M. Irwin. Lieut  
11 to 8 A.M. Pleasant weather. Calm and light S.W. airs. At 6.15 commenced swinging to flood: got around at 7.30. Cross in hawse. Aneroid barometer 30.24.

Signed. A. O. Pitter. Ensign  
8 A.M. to Meridian. Clear and hot. Light airs from Sd. and N. At 9.30 mustered at quarters. Drill suspended on account of the heat. Oscar Smith. (S) absent without leave: returned on board at 10. Three hours overtime, having been detained on shore by authorities. Peter Cannon (Box) and Frank Paris. (Sea) reported the expiration of their terms of enlistment. By order of Commanding Officer, Timothy J. Clark, (S) was given twenty hours extra duty for detaining boat. At 11.15 commenced to swing to ebb. Aneroid barometer 30.21.

Signed. Mainwright Kellogg. Lieut  
Meridian to 11 P.M. Partly cloudy. Warm and pleasant weather. Light to gentle S.E. breeze. Falling barometer. Slack water at 3.30. Vessel swung to the flood at 4.00. Cross in hawse. German Consul visited the ship and was received with the usual honors. Aneroid barometer 30.19.

Signed. W. G. Hannum. Ensign  
11 to 8 P.M. Weather clear and pleasant. Gentle to moderate breeze from E. & S. Barometer rising. Flood tide running. Cross in hawse. Port chain on top. Mustered at quarters at 11.15 and served out clean hammocks. Sent the mizzen topmast on deck for painting. Aneroid barometer 30.23.

Signed. Karl Rohrer. Lieut  
8 P.M. to Midnight. Weather clear and pleasant. Gentle breeze from E & S. Barometer steady. Aneroid at end of watch 30.23. Cross in hawse.

Signed. G. P. Ruse. Lieut

Moon L. mid Examined and found to be correct.  
Dec. 10° 44' 31" N.  
Phase. Last Quarter

W. H. Park  
Lieut & Navigator.



Moored off Mozambique, East Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	Ebb		NW & N.	NE	2		30.16	77	77	75		bc	circum	7	S	
2			N & N.	"	2		30.11	78	77	74		"	"	8	"	
3			"	N & E	2		30.11	78	77	74		"	"	8	"	
4			"	"	2		30.11	78	77	74		"	"	8	"	
5			"	"	1		30.16	78	77	74		"	"	8	"	
6			"	"	1		30.18	78	77	74		"	"	7	"	
7			W & S.	"	0-1		30.19	79	77	74		"	"	7	"	
8			N & W	N & N.	0		30.20	79	77	74		"	"	9	"	
9			"	N & W	0-1		30.20	79	77	75		"	cir	8	"	
10	Flood		E & S	SE	0-1		30.22	79	78	76		"	circum	8	"	
11			"	"	0-1		30.22	79	79	76		"	"	8	"	
Noon.			"	"	1		30.21	80	79	76		"	"	8	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

360 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

760 "

Coal consumed during the preceding 24 hours

tons 1400 lbs.

Coal remaining on hand at Noon

141 " 1896 "

P. M.																
1	Flood		E & S	E & S	1		30.19	80	80	77		bc	circum	8	"	
2			SE	"	2		30.16	80	80	76		"	"	8	"	
3			SW & S	E	2		30.11	80	79	76		"	"	8	"	
4	Ebb		"	"	2		30.13	80	79	76		"	"	8	"	
5			N & W	N & E	3		30.12	79	79	77		"	"	8	"	
6	Flood		"	"	3		30.12	79	79	77		"	"	8	"	
7			E & S	"	3		30.15	80	80	78		"	"	7	"	
8			"	"	3		30.15	81	80	78		"	"	8	"	
9			"	"	1		30.16	81	80	78		"	"	8	"	
10			"	E & N	1		30.16	80	80	78		"	"	8	"	
11			"	"	2		30.15	80	80	79		"	cir	9	"	
Mid.			"	"	2		30.12	80	80	79		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by at

° ' "



under the command of

Commander A. H. McCormick  
Tuesday, October 11

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and to 11 A.M. Clear and pleasant with light breezes from N and E. At 1.35 finished swinging to the ebb with elbow in hawse. Moon rose at 2.15. Aneroid barometer 30.20

Signed. A. J. L. I. Stalpine Ensign

11 to 8 A.M. Clear and warm. Light airs from N and E to West, calm last hour. At 8 swung to the flood. Cross in the hawse. Aneroid barometer 30.30.

Signed. W. M. Irwin. Lieut

8 A.M. to Meridian. Clear and warm. Calm and light S E airs. At 9.30 mustered at quarters and gave divisions oral instruction. Cross in hawse. Exercised signal class. Aneroid barometer 30.25. The term of enlistment of Frank Smith (B.M.) expired today.

Signed. R. O. Bitter. Ensign

Meridian to 11 P.M. Clear and warm. Light breeze from E by S. At 1.30 started fires for distilling. At 3 finished swinging to ebb. Aneroid 30.20.

Signed. Winchright Kellogg. Lieut

11 to 8 P.M. Clear and pleasant. Gentle N E breeze. Rising barometer.

Vessel swung to the flood at 6.20. Clear hawse. At 12.30 mustered at quarters and turned in clean hammocks. Sent up mizzen topmast. Aneroid 30.25.

Signed. W. C. Hannum. Ensign

8 P.M. to Midnight. Clear and pleasant with light airs to light breeze from N E to E N E. Barometer about steady. Distilling. Aneroid barometer 30.22 at end of watch. Clear hawse.

Signed. W. J. Sears. Ensign

Moon Lined

Examined and found to be correct.

Dec. 7° 53' 23" N.

Phase, Last Quarter.

W. H. Park  
Lieut & Navigator.



Moored off Mozambique. East Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	Flood		ESE	NE	1		30.12	79	79	74		bc	cir cum	9	S	
2	Ebb		NW	"	1		30.10	79	79	74		"	"	9	"	
3				NW	1		30.09	79	75	74		"	"	9	"	
4			N+SE	"	1		30.09	76	75	74		"	"	9	"	
5			N.	"	1		30.12	76	75	74		"	"	5	"	
6				N.	1		30.12	75	75	74		"	"	3	"	
7				"	1		30.16	76	75	72		"	"	5	"	
8				"	1		30.16	76	75	72		"	"	6	"	
9	Flood		E+S.	ESE	2		30.18	78	76	73		"	"	7	"	
10				"	2		30.18	80	79	75		"	"	8	"	
11				"	2		30.18	80	79	75		"	"	8	"	
Noon.				"	2		30.18	80	79	75		"	"	8	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

1400 gallons.

Water distilled during the preceding 24 hours

1800 "

Water remaining on hand fit for use at Noon

2160 "

Coal consumed during the preceding 24 hours

2 tons 570 lbs.

Coal remaining on hand at Noon

139 " 1326 "

P. M.																
1	Flood		E+S	ESE	2		30.13	80	80	76		bc	cir cum	8	"	
2			SE	"	2		30.12	80	80	76		"	"	8	"	
3	Ebb		"	"	2		30.11	80	80	76		"	"	7	"	
4			"	"	2		30.10	79	80	76		"	"	8	"	
5			"	"	2		30.10	79	79	75		"	"	7	"	
6			NW	"	2		30.10	79	79	74		"	cir cum nimb	6	"	
7			N+SE	NE	2		30.12	79	79	74		"	cir cum	6	"	
8	Flood		NW+N.	"	2		30.13	79	79	74		"	"	7	"	
9			E	ESE	2		30.13	79	79	75		"	cir	9	"	
10			"	"	2		30.12	80	80	75		"	"	9	"	
11			"	"	2		30.12	80	80	75		"	"	9	"	
Mid.			"	"	2		30.12	80	80	75		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. McCormick  
Wednesday, October 15th

, U. S. Navy,

, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Weather clear and pleasant. Light variable  
airs. Barometer falling. Distilling. Aneroid 30.19. At 1.30 commenced swing-  
ing to ebb.

Signed,

G. P. Reis.

Lieut

11 to 8 A.M. Generally clear and pleasant with light airs from W. Distilling  
Riding to ebb with clear hawse. Steamship "Oriental" came in and anchored.

Signed,

A. J. H. Halpin.

Ensign

8 A.M. to Meridian. Clear and pleasant. Gentle breeze from E.S.E. Swung  
to flood at 8.10. Cross in hawse. Went to quarters at 9.30. By order of Com-  
manding Officer gave C. F. B. Fillet. CS four extra first batches for being  
out of uniform. Aneroid barometer 30.25.

Signed,

W. M. Irwin.

Lieut

Meridian to 11 P.M. Clear and pleasant. Light E.S.E. breeze. At 2.00  
commenced swinging to ebb. finished at 3.00. Clear hawse. Aneroid bar-  
ometer 30.18. Received an official visit from officer of Portuguese man of  
war in harbor.

Signed,

A. O. Bitter.

Ensign

11 to 8 P.M. Clear and pleasant. Light breeze from E.S.E. At 11.15 mus-  
tered at quarters. At 5.30 called all hands and sent down top gallant  
yards and masts and then sent them up again. Aneroid 30.30.

Signed,

Warrwright Kellogg.

Lieut

8 P.M. to Midnight. Clear and pleasant weather. Light breeze from E.S.E.  
Barometer steady. Distilling water. Swung to flood tide at 8.30. Clear  
hawse. Aneroid barometer 30.60.

Signed,

Karl Rohrer.

Lieut

Moon. mid Examined and found to be correct.  
Dec 3° 5' 21" ch.  
Phase. Last Quarter.

W. H. Park  
Lieut. & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	Flood		E	ENE	2		30.09	80	79	75		bc	circum	8	S	
2	Ebb		"	"	2		30.08	80	79	75		"	"	8	"	
3			NE	"	2		30.07	79	78	75		"	"	7	"	
4			"	"	2		30.09	79	78	75		"	"	6	"	
5			NW	NW	1		30.10	78	78	75		"	"	8	"	
6			"	Calms	0		30.12	78	77	75		"	"	8	"	
7			"	"	0		30.15	78	77	75		"	"	8	"	
8			N x S.	"	0		30.18	78	77	75		"	"	8	"	
9	Flood		N.	NE	31		30.18	79	77	74		"	"	6	"	
10			"	"	1		30.18	79	78	74		"	"	7	"	
11			E	E	1		30.16	81	80	76		"	"	8	"	
Noon.			"	"	1		30.14	81	80	76		"	"	8	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

300 gallons.

Water distilled during the preceding 24 hours

1140 "

Water remaining on hand fit for use at Noon

3100 "

Coal consumed during the preceding 24 hours

1 tons 860 lbs.

Coal remaining on hand at Noon

138 " 1456 "

P. M.																
1	Flood		ENE	NE	3		30.12	84	81	76		bc	circum	7	"	
2	Ebb		N.	"	3		30.10	82	81	76		"	"	7	"	
3			NW	ENE	5		30.08	81	81	76		"	"	7	"	
4			"	"	5		30.06	81	81	76		"	"	7	"	
5			"	"	4-5		30.06	80	81	76		"	"	6	"	
6			"	"	3-4		30.06	79	79	75		"	"	5	"	
7			NW x N.	NE	3		30.06	79	79	75		"	"	5	"	
8			"	"	3		30.07	79	79	75		"	"	6	"	
9			NE x E.	NE x E	3		30.10	79	79	75		"	"	7	"	
10	Flood		E	ENE	3		30.10	79	78	76		"	"	7	"	
11			"	"	3		30.10	79	78	76		"	"	8	"	
Mid.			"	"	3		30.10	79	78	76		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. McCormick

, U. S. Navy,

Thursday, October 16th

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Clear and pleasant with light breeze from E. N. E. Falling barometer. Heavy dew. At 1.25 stoped distilling, hauled fire. At 1.20 commenced swinging to the ebb and finished at 1.50. Aneroid 30.18 at end of watch. Clear houses.

Signed.

W. J. Sears.

Ensign.

11 to 8 A.M. Weather clear, and pleasant. Light variable airs and calms. Barometer rising. At 5.00, unbent sail. Sent down main top gallant yard for repairs at 6.00 and crossed it at 7.15. Aneroid at end of watch 30.23. Dressed ship at 8.00 with Portuguese flag at the main in honor of the birthday of the Queen of Portugal.

Signed.

C. P. Rus.

Lieut

8 A.M. to Meridian. Clear, warm and pleasant with light airs, and slowly falling barometer. At 9.30 held quarters. Received in Pay Dept 172 1/2 lbs of fresh beef and vegetables and 138 lbs of fresh bread; in Construction four gallons of oil. Aneroid barometer 30.20. English Consul paid an official visit on board. Riding to flood at end of watch with clear houses.

Signed.

A. J. S. I. Halpine.

Ensign

Meridian to 11 P.M. Pleasant weather. Moderate breeze from N.E. hauling to E. N. E. and freshening. Slack water at 1.00; swung to the ebb at 2.00. Painting spars. Aneroid barometer 30.18.

Signed.

W. M. Irwin.

Lieut

11 to 8 P.M. Fair and pleasant, with gentle to stiff breeze from E. N. E. to N.E. Aneroid barometer 30.14. Painting spars. Commenced swinging to flood at 7.50.

Signed.

R. C. Bitter.

Ensign

8 P.M. to Midnight. Clear and pleasant. Gentle E. N. E. breeze. Slight rise in barometer. Vessel swung to the flood at 8.30. Clear houses. Aneroid barometer 30.16. Timothy J. Clark (Os) and Chas. F. B. Elliot (Os) stood four hours extra duty.

Signed.

W. G. Hamm.

Ensign.

Moonlight  
Dec 0° 57' 35" S.  
Phase, Last Quarter.  
Examined and found to be correct.

W. H. Park  
Lieut & Navigator.



Moored off Mozambique, East Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	Flood		E N E	N E	3		30.09	79	79	75		bc	alg	9	S	
2	Ebb		N + N.	"	3		30.09	79	79	75		"	circum	8	"	
3			"	"	3		30.09	79	79	75		"	"	8	"	
4			"	"	3		30.08	79	79	75		"	"	8	"	
5			"	"	2		30.08	79	78	74		"	"	8	"	
6			"	North	2		30.08	78	78	74		"	"	7	"	
7			N + N	"	2		30.10	78	78	74		"	"	7	"	
8			"	"	2		30.13	78	78	74		"	"	6	"	
9	Flood		"	calm	0		30.11	79	79	74		"	"	8	"	
10			N + N.	E N E	3		30.16	79	79	75		"	"	8	"	
11			E + N.	"	11		30.16	80	79	74		"	"	8	"	
Noon.			"	"	14		30.16	80	80	74		"	"	8	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2800 "

Coal consumed during the preceding 24 hours

tons 140 lbs.

Coal remaining on hand at Noon

138 " 66 "

P. M.																
1	Flood		N + E	N E	5		30.09	80	79	74		bc	circum	8	"	
2			"	"	5		30.09	81	80	74		"	"	8	"	
3	Ebb		N.	"	6		30.05	80	80	76		"	"	8	"	
4			"	"	6		30.02	80	80	76		"	"	8	"	
5			N + N	"	6		30.02	80	80	76		"	"	7	"	
6			"	"	5		30.02	80	80	76		"	"	7	"	
7			"	"	5		30.04	80	80	76		"	"	7	"	
8			"	"	5		30.06	80	80	75		"	"	7	"	
9	Flood		N N E	N N E	5		30.07	80	79	75		"	"	7	"	
10			E N E	E N E	3		30.08	80	79	74		"	"	8	"	
11			"	"	3		30.09	80	79	75		"	"	8	"	
Mid.			"	"	3		30.08	80	79	75		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. McCormick

, U. S. Navy,

Friday, October 17<sup>th</sup>

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 11 A.M. Clear and pleasant weather. Gentle breeze from N.E. Barometer steady. Swung to ebb at 1.30. Aneroid barometer 30.15. Clear hawse.

Signed.

Karl Rohrer.

Siunt

11 to 8 A.M. Clear and pleasant with light breeze from North and N.E. Rising barometer. Aneroid 30.25. Ebb tide. Clear hawse.

Signed.

W. J. Sears.

Ensign

8 A.M. to Meridian Weather clear and pleasant. Light to gentle breeze from E.N.E. Barometer steady. Mustered at quarters at 9<sup>30</sup>. Captain Crocker of the American barque "Sarah Hobart" came on board at 9.30 to give testimony concerning the seizure of property by the Portuguese authorities. Aneroid at end of watch 30.20.

Signed.

D. P. Rice.

Siunt

Meridian to 11 P.M. Clear and pleasant with fresh breezes from N. and E. Siunt Mackenzie, Rohrer and Irwin. U.S.N. held survey on American barque "Sicilian" Commanding Officer paid official visit on shore. Barometer falling. At 2.20 commenced swinging to the ebb with clear hawse. Aneroid barometer 30.12.

Signed.

A. J. S. T. Halpine.

Ensign

11 to 8 P.M. Pleasant weather. Fresh breeze from N.E. Barometer steady. Went to quarters at 4.45. Clear hawse. Aneroid bar. 30.15.

Signed.

W. M. Irwin.

Siunt

8 P.M. to Midnight. Weather clear and pleasant. Stiff breeze from N.N.E. first hour, gentle breeze from E.N.E. remainder of watch. Barometer nearly steady. Commenced swinging to flood at 8.20 finished at 9.15. Aneroid 30.15.

Signed.

Wainwright Kellogg.

Siunt

Moon mid. Examined and found to be correct.

Dec. 14° 54' 16" S.

Phase Last Quarter

W. H. Park  
Siunt Navigator.



Moored off Mozambique. East Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
	Flood		E. N.	NE	2		30.07	79	78	75		bc	circum	7	S	
2			E	"	3		30.05	78	78	75		"	"	8	"	
3			N	"	3		30.05	78	77	74		"	"	8	"	
4			N S N	"	3		30.05	78	77	74		"	"	6	"	
5	Ebb		N N N	"	2		30.07	78	77	74		"	"	6	"	
6			"	"	2		30.09	78	77	74		"	"	5	"	
7			"	"	1		30.11	78	77	75		"	"	5	"	
8			"	"	0-1		30.12	79	78	75		"	"	7	"	
9			"	"	0-1		30.11	78	78	75		"	"	6	"	
10	Flood		E	"	1		30.15	79	79	75		"	"	7	"	
11			"	"	1		30.16	80	80	75		"	"	7	"	
Noon.			"	"	1		30.12	81	81	75		"	"	8	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2000 "

Coal consumed during the preceding 24 hours

tons 400 lbs.

Coal remaining on hand at Noon

137 " 1606 "

P. M.																
	Flood		E. N.	NE	1		30.10	81	81	74		bc	circum	8	S	
2			"	"	3		30.07	81	81	74		"	"	8	"	
3	Ebb		NE x N.	"	11		30.04	81	81	75		"	"	8	"	
4			N	"	11		30.03	81	81	75		"	"	9	"	
5			N N N	"	11		30.03	79	79	75		"	"	8	"	
6			"	"	5		30.03	79	79	75		"	"	8	"	
7			"	"	5		30.05	79	78	75		"	"	8	"	
8			"	"	5		30.05	79	78	75		"	"	8	"	
9			"	"	3-11		30.06	79	78	75		"	"	8	"	
10	Flood		NE	"	3		30.06	79	78	76		"	"	7	"	
11			E	E	3		30.07	79	78	77		"	dis	9	"	
Mid.			"	"	3		30.07	79	78	78		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. McCormick

, U. S. Navy,

Saturday, October 18th

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Clear and pleasant. Slight to gentle N.E. breeze. Slight fall in barometer. Vessel swung to the left at 2.30. Clear hawse. Aneroid 30.12.

Signed. W. G. Hammum.

Ensign

11 to 1 P.M. Clear and pleasant weather. Slight breeze from N.E. Barometer rising. Ebb tide. Clear hawse. Aneroid barometer 30.01.

Signed

Karl Rohrer. Lieut

1 P.M. to Meridian. Clear and pleasant with calms to light airs from N.E. Falling barometer. At 8.30 commenced swinging to flood. At 9.30 mustered at quarters. Clear hawse. Aneroid 30.19.

Signed.

W. J. Sears.

Ensign

Meridian to 4 P.M. Weather clear and pleasant, gentle to moderate breeze from N.E. Barometer falling. Aneroid at end of watch 30.10.

Signed

C. P. Rust.

Lieut

4 to 8 P.M. Clear and pleasant. At 4.45 had evening quarters. At end of watch riding across wind and tide, with clear hawse. Aneroid bar. 30.11.

Signed.

M. J. D. Halpin.

Ensign.

8 P.M. to Midnight. Clear and pleasant with gentle to moderate breeze from N.E. and East. At 9. commenced swinging to flood. finished at 10.15. Aneroid barometer 30.18. Clear hawse.

Signed.

R. O. Pitter.

Ensign

Moon's position Examined and found to be correct.  
Dec 8° 34' 34" S.  
Phase. Last Quarter.

W. H. Park  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	Flood		E	E.	1		30.06	79	79	78		bc	circum	8	S	
2			"	"	1		30.06	79	79	78		"	"	8	"	
3	Ebb		SW.	"	1		30.06	79	79	78		"	"	8	"	
4			W & S.	"	1		30.06	79	78	77		"	"	8	"	
5			W	WSW.	1		30.06	78	76	74		"	"	7	"	
6			W & W.	SW.	1		30.09	78	76	74		"	"	11	"	
7			W & S.	"	1		30.12	77	76	73		"	"	5	"	
8			"	NNE	1		30.11	77	76	73		"	"	7	"	
9			"	NE.	3		30.11	79	79	75		"	"	6	"	
10	Flood		NE & S.	"	3		30.16	80	79	75		"	"	6	"	
11			"	"	3		30.18	80	79	75		"	"	7	"	
Noon.			"	"	3		30.18	81	79	75		"	"	7	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1700 "

Coal consumed during the preceding 24 hours

tons 1100 lbs.

Coal remaining on hand at Noon

137 " 1506 "

P. M.																
1	Flood		NE & S.	NE	2		30.12	81	80	75		bc	circum	7	S	
2			E	NE & E.	3		30.10	80	80	75		"	"	6	"	
3			"	"	3		30.10	80	80	75		"	"	7	"	
4	Ebb		"	"	3		30.10	80	80	75		"	"	8	"	
5			WSW.	NE	11		30.09	80	80	75		"	"	8	"	
6			W & W.	"	3		30.09	80	79	79		"	"	8	"	
7			"	"	3		30.09	79	79	75		"	"	8	"	
8			"	"	11		30.08	79	79	75		"	"	8	"	
9			"	"	3		30.08	79	79	76		"	"	7	"	
10	Flood		NNE	"	3		30.08	79	79	76		"	"	7	"	
11			"	"	3		30.10	79	79	76		"	dis	9	"	
Mid.			"	"	3		30.11	79	79	76		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. McCormick  
Sunday 19 October

, U. S. Navy,

1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and pleasant. Light airs from East. At 2. swung to flood. Aneroid 30.12.

Signed. Mainwright Kellogg. Lieut. 4 to 8 A.M. Partly cloudy. Warm and pleasant. Light variable breeze. Rising barometer. Ebb tide. Cross in hawse. French brig left the harbor. Pumped ship out. Aneroid barometer 30.24.

Signed. W. E. Hannum. Ensign 8 A.M. to Meridian. Clear and pleasant weather. Gentle breeze from N.E. Barometer rising. At 9.30 Captain inspected ship and crew at quarters. English mail steamer left the harbor bound North. Riding to flood with elbow in hawse. Aneroid bar. 30.22.

Signed. Karl Rohrer. Lieut. Meridian to 11 P.M. Clear and pleasant with gentle to moderate breeze from N.E. Falling barometer. At 1.00 cleared hawse. At 3.00 slack water. At 3.15 commenced swinging to ebb. Cross in hawse. Aneroid 30.16.

Signed. W. J. Sears. Ensign 11 to 8 P.M. Weather clear and pleasant. Gentle breeze from N.E. Barometer steady. Riding to ebb tide. Cross in hawse. Aneroid at end of watch 30.18.

Signed. C. P. Rus. Lieut. 8 P.M. to Midnight. Clear and pleasant. Moderate breeze from N.E. Barometer rising. Swung to the flood at 9.30. Ebb in the hawse. Aneroid barometer 30.18.

Signed. W. M. Irwin. Lieut.

Moon on mid. Examined and found to be correct.  
Dec 11° 49' 29" S.  
Phase. New moon

W. H. Parker  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	Flood		NNE	NE	2		30.10	79	79	75		bc	sc	9	S	
2	"		"	"	2		30.08	78	78	75		"	"	9	"	
3	Swinging		"	N.	2		30.08	77	77	74		"	circum	8	"	
4	Ebb		"	"	2		30.08	77	77	74		"	"	8	"	
5	"		N x N.	"	1		30.10	77	77	74		"	"	8	"	
6	"		"	"	1		30.12	77	76	74		"	"	8	"	
7	"		N x N.	"	1		30.15	77	76	74		"	"	8	"	
8	"		"	"	1		30.15	77	77	74		"	"	8	"	
9	"		"	NE	2		30.18	77	77	74		"	"	8	"	
10	Flood		NW x N.	"	3		30.20	78	78	74		"	"	8	"	
11	"		E. NE	"	3		30.20	80	80	75		"	"	8	"	
Noon.	"		E	"	3		30.20	80	80	75		"	"	8	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1100 "

Coal consumed during the preceding 24 hours

tons 800 lbs.

Coal remaining on hand at Noon

137 " 706 "

P. M.																
1	Flood		E	NE	2		30.18	82	80	75		bc	circum	7	"	
2	"		"	"	2		30.16	82	80	75		"	"	8	"	
3	"		"	"	3		30.14	82	80	75		"	"	6	"	
4	Ebb		ESE	"	3		30.13	82	80	75		"	"	7	"	
5	"		"	"	3		30.11	81	80	75		"	"	7	"	
6	"		NW x N	"	2		30.11	80	80	75		"	"	6	"	
7	"		"	"	2		30.11	80	80	75		"	"	7	"	
8	"		"	"	3		30.11	80	80	75		"	"	7	"	
9	"		N x N	"	3		30.11	80	80	75		"	"	7	"	
10	Flood		"	"	2		30.14	79	79	75		"	"	8	"	
11	"		ESE	"	2		30.16	79	79	75		"	"	9	"	
Mid.	"		E	"	2		30.16	79	78	74		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. W. Cornick

, U. S. Navy,

Monday, October 20th

, 1882.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A. M. Clear and pleasant, with light breeze from N.E. and North. At 2.10 commenced swinging to ebb, finished at 3.00 Cross in hawse, Aneroid barometer 30.18.

Signed,

R. O. Bitter.

Ensign

11 to 8 A. M. Clear and warm, light airs from North, Ebb tide. Aneroid barometer 30.25.

Signed,

Wainwright Kellogg.

Saint

8 A. M. to Meridian, Clear and warm, light to gentle N.E. breeze. Slight rise in barometer. At 9.30 inspected lat quarters and immediately after exercised battalion. John Fitzgerald (B.M.) and James Williams (Jof. D.) reported expiration of terms of enlistment. Vessel swung to the flood at 10.30. Elbow and cross in hawse, Aneroid barometer 30.26.

Signed,

W. G. Hannum.

Ensign

Meridian to 11 P. M. Clear and pleasant, gentle to moderate breeze from N.E. Barometer steady. Black water at 3.00. Cleared hawse. Received in Equipment Department four packages of Carpet tacks. Aneroid barometer 30.19.

Signed,

Karl Rohrer.

Saint

11 to 8 P. M. Clear and pleasant with light to gentle breeze from N.E. Falling barometer. At 11 commenced swinging to ebb, Steamer "Florence" got underway and left for the South. Aneroid 30.18 at end of watch, Cross in hawse.

Signed,

W. J. Sears.

Ensign

8 P. M. to Midnight, Clear and pleasant with light breezes from N.E. and E. At 10.20 finished swinging to flood with elbow in hawse. Aneroid barometer 30.20.

Signed,

A. J. L. J. Halpine.

Ensign

Moon mid. Examined and found to be correct.  
Dec 14° 21' 16" S.  
Phase, New moon.

W. H. Park  
Saint & Navigator.



Moored off Mozambique, East Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			E	NE	2		30.11	79	80	76		bc	ci	9	S	
2	Flood		.	"	2		30.11	80	80	76		"	"	9	"	
3			.	"	2		30.11	80	80	76		"	circum	8	"	
4			S.S.W.	"	2		30.12	80	80	76		"	"	8	"	
5			.	"	2		30.12	80	79	75		"	"	6	"	
6			.	"	2		30.12	80	79	75		"	"	5	"	
7	Ebb		W x S.	S.	1		30.11	80	79	75		"	"	6	"	
8			I .	"	1		30.18	80	79	75		"	"	6	"	
9			"	calm	0		30.18	80	79	76		"	"	6	"	
10			W	"	1		30.18	80	80	77		"	"	7	"	
11			S x W	SE	1		30.19	80	80	77		"	"	8	"	
Noon.			"	"	1		30.19	82	82	77		"	"	8	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1100 "

Coal consumed during the preceding 24 hours

tons 800 lbs.

Coal remaining on hand at Noon

136 " 2146 "

P. M.																
1	Flood		E x S	ESSE	1		30.15	82	82	77		bc	circum	7	"	
2			E	E x S	1		30.11	83	83	77		"	"	7	"	
3			ESSE	E.	1		30.10	83	83	77		"	"	8	"	
4			S.S.W.	ESSE	1		30.07	83	82	77		"	"	8	"	
5	Ebb		W	"	2		30.09	84	82	78		"	"	8	"	
6			"	"	2		30.09	82	82	78		"	"	6	"	
7			"	"	1		30.11	82	82	78		"	"	9	"	
8			"	"	3		30.11	82	82	78		"	"	9	"	
9			"	"	1		30.11	81	81	75		"	ci	9	"	
10			E x S	"	1		30.12	81	81	75		"	"	9	"	
11	Flood		"	"	1		30.11	81	81	75		"	circum	9	"	
Mid.			"	"	1		30.11	81	81	75		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M. Cornick  
Tuesday October 21st

, U. S. Navy,

1884

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A. M. Clear and pleasant, Gentle breeze from N. E. Commenced to swing to the ebb at 3.20. Got around at 4.10. Elbow and cross in hawse, Aneroid barometer 30.28.

Signed.

W. M. Irwin.

Lieut

4 to 8. A. M. Pleasant weather, Light breeze from N. E. first two hours. then light northerly air. Engaged in breaking out hold and Paymaster's Store rooms, Elbow and cross in hawse, Aneroid 30.25.

Signed.

R. O. Bitter.

Ensign

8 A. M. to Meridian, Clear and hot, Light air from S. E. At 9.30 mustered at quarters, Slack water at 10.30, and at 11.50 finished swinging to flood, Aneroid 30.22.

Signed.

Hamwright Kellogg.

Lieut

Meridian to 4 P. M. Clear and warm, Light easterly breeze, falling barometer, Flood tide, Cleared hawse, Instructed Apprentices Aneroid barometer 30.14.

Signed.

W. G. Hannum.

Ensign

4 to 8. P. M. Clear and pleasant weather, Light to gentle breeze from E. S. E. Barometer rising slowly, At 4.30 swung to the ebb tide, Cross in hawse, At 4.45 mustered at quarters, Aneroid barometer 30.14.

Signed.

Karl Rohrer.

Lieut

8 P. M. to Midnight, Clear and pleasant with slowly rising barometer, and light air from S. d. and E. d. At 10.50 finished swinging to flood with Elbow in hawse.

Signed.

A. J. S. Halpine.

Ensign

Moon laid  
Dec 16° 33' 36" S.  
Phase. New moon.  
Examined and found to be correct.

W. H. Park  
Lieut & Navigator.



Moored off Mozambique. East Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	Flood	O.S.	E.S.E.		1		30.11	80	70	75		bc	cir cum	7	S	
2					1		30.11	80	79	75		"	"	8	"	
3			E.S.E.	S.	1		30.10	80	79	75		"	"	8	"	
4				"	1		30.10	80	79	75		"	"	5	"	
5	Ebb	S.S.W.	"	"	1		30.11	80	79	75		"	"	6	"	
6			"	"	1		30.11	80	79	75		"	cum & cir cum	11	"	
7			"	S.W.	1		30.11	80	79	75		"	"	11	"	
8			W.S.W.	"	1		30.11	81	79	77		"	"	11	"	
9			"	"	1		30.11	80	79	77		"	"	11	"	
10			W.	S.	2		30.11	80	79	77		"	circum	5	"	
11	Flood	"	S.E.		2		30.16	80	80	77		"	"	6	"	
Noon.			"	"	2 3		30.16	83	82	77		"	"	6	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

300 gallons.

Water *distilled* during the preceding 24 hours

1100 "

Water remaining on hand fit for use at Noon

1200 "

Coal consumed during the preceding 24 hours

tons 2000 lbs.

Coal remaining on hand at Noon

186 " 146 "

P. M.																
1	Ebb	E.S.E.	S.E.		1		30.11	83	81	76		bc	cir cum	6	S	
2		"	"		1		30.12	83	81	76		"	"	6	"	
3		"	"		1		30.12	83	81	76		"	"	7	"	
4	Flood	"	"		1		30.10	83	81	76		"	"	7	"	
5		E	"		1		30.09	83	81	76		"	"	7	"	
6		"	"		1		30.09	83	81	76		"	"	7	"	
7		W.	"		1		30.09	80	80	76		"	"	8	"	
8		"	"		1		30.09	80	80	76		"	"	8	"	
9	Ebb	"	"		1		30.09	80	80	76		"	"	7	"	
10		"	"		1		30.09	81	80	77		"	"	8	"	
11		"	"		1		30.10	81	80	77		"	"	8	"	
Mid.		S.S.E.	"		1		30.11	80	80	77		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. A. W. Cornick  
Wednesday, October 23d

, U. S. Navy,

1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced, and until 4 A.M. Weather clear and warm, Light variable, air and calm, Barometer steady. Aneroid 30.14. Began swinging to ebb tide at 3.40.

Signed.

C. P. Russ.

Lieut.

4 to 8 A.M. Mostly cloudy. Gentle breeze from S to S.W. Finished swinging to the ebb at 5.15. Cross in the hawse. Started fires for distilling at 5.30. Aneroid barometer 30.23.

Signed.

W. M. Irwin.

Lieut.

8 A.M. to Meridian. Pleasant weather. Light airs from S.W. first hour, then hauling to S.E. and increasing to gentle breeze. At 9.30 mustered at quarters and exercised boarders with revolvers. By order of Commanding Officer, Robt W. Barclay (OS) was placed in double irons for ten days for impudence to Officer of Deck. At 10.30 commenced swinging to flood. Aneroid bar. 30.21.

Signed.

P. O. Bitter.

Ensign.

Meridian to 4 P.M. Clear and warm. Light airs from S.E. Slack water at 12 and at 1. finished swinging to flood. Aneroid 30.15.

Signed. Chainwright Kellogg.

Lieut.

4 to 8 P.M. Clear and warm. Light S.E. breeze. Barometer steady. Swung to the ebb at 5.30. Cross in hawse. At sundown sent down topgallant yards. Distilling. Aneroid barometer 30.18.

Signed.

W. G. Hannum.

Ensign

8 P.M. to Midnight. Clear and pleasant with light breeze from S.E. Rising barometer. Heavy dew. At 8.10 stopped distilling to repair pump and at 11.15 banked fires under distilling boilers. At 11.00 commenced swinging to flood and finished at 12.00. Clear hawse. Aneroid 30.19 at end of watch.

Signed.

W. J. Sears.

Ensign

Moon & mid

Examined and found to be correct.

Dec 17° 51' 147" S.

Phase New moon.

W. J. Park

Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	Flood		ESE	SE	1		30.12	80	80	76		bc	circum	9	S	
2			ESE	"	1		30.11	80	79	76		"	"	9	"	
3			"	"	1		30.10	80	79	76		"	"	8	"	
4			SE	"	2		30.10	80	78	75		"	"	9	"	
5			S.	"	2		30.10	80	80	76		"	"	6	"	
6	Ebb		"	"	2		30.10	80	80	76		"	"	5	"	
7			W	S	2		30.13	80	79	75		"	"	6	"	
8			"	"	2		30.15	80	79	75		"	"	11	"	
9			"	"	1		30.17	82	81	77		"	circum 3/4	5	"	
10			"	"	1		30.19	83	81	77		"	"	6	"	
11			WSE	"	1		30.21	83	81	77		"	"	7	"	
Noon	Flood		"	SE	1		30.22	83	81	77		"	"	7	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water distilled during the preceding 24 hours

1700 "

Water remaining on hand fit for use at Noon

2100 "

Coal consumed during the preceding 24 hours

1 tons 1860 lbs.

Coal remaining on hand at Noon

1311 " 526 "

P. M.																
1	Flood		SSE	SE	1		30.19	83	82	78		bc	circum	8	S	
2			"	"	1-2		30.16	82	82	78		"	"	8	"	
3			E	"	2		30.14	81	81	77		"	"	7	"	
4			"	"	1-2		30.14	81	81	77		"	"	8	"	
5	Ebb		"	"	1		30.14	84	83	77		"	"	8	"	
6			SSW	"	1		30.16	83	81	77		"	"	8	"	
7			W	"	1		30.16	81	81	77		"	"	8	"	
8			"	"	1		30.17	81	81	77		"	"	9	"	
9			"	SSE	1		30.17	81	81	77		"	"	9	"	
10			"	"	1		30.17	81	81	77		"	"	9	"	
11			"	"	1		30.17	81	81	77		"	"	9	"	
Mid.			"	"	1		30.17	81	81	77		"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of *Commander A. H. M. Cornick*, U. S. Navy,  
*Thursday, October 23d*, 1872.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather clear and pleasant. Light airs from S.E. Barometer falling. Aneroid 30.18. Distilling.  
Signed *J. C. P. Rus.* Subt  
11 to 8 A.M. Fair and pleasant with slight rise in barometer and light airs and breezes from S. and E. Bent all plain sail, and crossed to the gallant and royal yards. At 6.30 finished swinging to ebb with cross in hawse. Aneroid barometer 30.26. Fire lighted under distilling boilers.  
Signed *A. J. S. Halpin.* Ensign  
8 A.M. to Meridian. Pleasant weather. Gentle breeze from South. Barometer rising. At 9.30 went to quarters and mustered the crew. Commenced to swing to the flood at 11. got round at 11.50. By order of Commanding Officer 40 hours extra duty was assigned to Frank A. Morris (Sds) and W. Featherstone (Sds) for being drunk on duty. Clear hawse. Aneroid barometer 30.26. Distilling.  
Signed *W. M. Irwin.* Subt  
Meridian to 11 P.M. Clear and warm. Light airs to light S.E. breezes. Clear hawse. Riced in Pay Dept, 5 bags of sugar and in Eng's Dept 11 bags of lime. Aneroid barometer 30.19.  
Signed *R. C. Butler.* Ensign  
11 to 8 P.M. Clear and hot. Light breeze from S.E. At 11.45 mustered at quarters. Aneroid 30.21.  
Signed *Wainwright Kellogg.* Subt  
8 P.M. to Midnight. Weather clear and pleasant. Light breeze from S. S. E. Barometer steady. Ship riding to ebb tide. Cross in hawse. Distilling. Aneroid barometer 30.22.  
Signed *Karl Rohrer.* Subt

Moon's mid Examined and found to be correct.  
Dec 18° 22' 54" S.  
Chase, New Moon.

*W. H. Park*  
Subt & Navigator.



Moored off Mozambique, E. Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	Flood		N.	S. S. E.	1		30.14	80	80	78		bc	circum	8	S	
2			E.	N. W.	0-1		30.14	80	80	78		"	"	8	"	
3			"	"	0-1		30.14	80	80	78		"	"	7	"	
4			"	N.	1		30.13	80	78	76		"	"	7	"	
5	Est		S. W. x N.	N. W.	1		30.15	78	78	76		"	circum	6	"	
6			N.	"	1		30.18	78	77	76		"	circum	7	"	
7			"	Calms	0		30.22	78	77	76		"	circum	8	"	
8			"	"	0		30.21	78	77	76		"	"	8	"	
9			"	"	0		30.21	80	78	77		"	"	8	"	
10			"	"	0		30.21	80	79	77		"	"	8	"	
11			"	"	0		30.21	80	80	76		"	"	8	"	
Noon.			N. S. W.	E. S. E.	1		30.24	81	80	76		"	"	8	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water distilled during the preceding 24 hours

1200 "

Water remaining on hand fit for use at Noon

3000 "

Coal consumed during the preceding 24 hours

1 tons 1160 lbs.

Coal remaining on hand at Noon

162 " 1606 "

P. M.																
1	Flood		N. S. W.	E. S. E.	1		30.20	81	81	75		bc	circum	8	S	
2			E. x S.	"	1		30.18	82	82	78		"	"	8	"	
3			"	"	1		30.16	83	83	79		"	"	8	"	
4			"	"	1		30.14	83	83	79		"	"	7	"	
5			"	"	1		30.14	83	82	78		"	"	9	"	
6			"	"	1		30.14	83	81	77		"	"	9	"	
7			S. S. E.	"	2		30.14	83	81	77		bc	"	9	"	
8			N. N. W.	"	2		30.16	83	81	77		"	"	9	"	
9			"	N. E.	2		30.16	81	80	77		"	"	6	"	
10			"	"	2		30.17	80	80	77		"	"	7	"	
11			"	"	2		30.17	80	80	77		"	"	8	"	
Mid.			"	"	2		30.17	80	80	77		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. McCormick

, U. S. Navy,

Friday, October 24th

, 1881

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Clear with light variable breeze and calms. Steady barometer. Heavy dew. At 12.00 commenced swinging to flood and finished at 1.00. Clear hawse. Aneroid 30.20. Distilling.

Signed.

W. J. Sears.

Ensign

11 to 8 A.M. Weather clear and warm, calm. Barometer rising. Commenced coaling ship. Aneroid at end of watch 30.30.

Signed.

C. P. Russ.

Lieut

8 A.M. to Meridian. Clear and warm with calms and light airs. Aired in Equipment Department 30 tons of Cardiff coal. At 8.50 stopped distilling and hauled feris. Cross in hawse. Aneroid bar. 30.28.

Signed.

A. J. S. Halpine.

Ensign.

Meridian to 4 P.M. Clear and hot, light airs from E.S.E. Barometer steady. Finished swinging to the flood at 12.45. Clear hawse. Aneroid barometer 30.20.

Signed.

W. M. Irwin.

Lieut

4 to 8 P.M. Clear and warm. Lightning last two hours. Light airs to light breeze from E.S.E. At 6.00 called all hands unboard ship. Got up port anchor and hove into 30 fathoms on starboard chain. Engaged in making preparations for sea. Hoisted smoke stack. Slack water at 6.15. Commenced swinging to ebb at 6.40. Finished at 7.50. Aneroid barometer 30.19.

Signed.

R. C. Butler.

Ensign

8 P.M. to Midnight. Clear and pleasant, light N.E. breeze. Slight rise in barometer. Ebb tide. Aneroid 30.20.

Signed.

W. G. Hannum.

Ensign

Moon L mid

Examined and found to be correct.

Dec 18° 05' 45" S.

Phase. New moon.

W. J. Parsh  
Lieut & Navigator.



## Anchored off Mozambique, East Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	6 6		NW	NW	1		30.10	80	79	77		bc	cir cum	8	S	
2	5 0		"	"	2		30.12	80	79	77		"	"	7	"	
3			E	"	1		30.09	80	79	77		"	"	6	"	
4			"	"	1		30.09	80	79	77		"	"	7	"	
5			ESSE	"	1		30.12	79	79	77		"	"	6	"	
6	2 0		S	SE & S	1		30.13	80	79	76		"	"	6	"	
7	3 4		SESE	"	1		30.14	80	80	76		"	"	6	"	
8	6 3		"	"	2		30.15	82	80	76		"	"	7	"	
9	7 0		SW & S	S	2		30.15	81	81	77	81	"	"	8	"	
10	7 0		"	"	2		30.15	82	82	77	81	"	"	8	"	
11	6 5		"	"	2		30.14	83	83	77	81	"	"	6	"	
Noon.	6 8		"	"	1		30.14	83	83	77	81	"	"	6	"	

Distance run by Log since preceding Noon

48 knots 3 <sup>leaths</sup> fathoms.

Latitude by D. R. at Noon

15° 42' 00" S.

Longitude by D. R. at Noon

40° 45' 00" E

Latitude by Observations at Noon ☉

16° 02' 00" S

Longitude by Chronometer from Forenoon Observations ☉

40° 44' 00" E.

Current during the time 3 knots ~~fast~~ per hour, setting to the

S 20° W

1301 Variation of the Compass by Amplitude ☉ observed at Sunrise

0 — "

Variation of the Compass by Azimuth ☉ observed at

15° 00' 00" W

Water expended during the preceding 24 hours

320 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2680 "

Coal consumed during the preceding 24 hours

5 tons 288 lbs.

Coal remaining on hand at Noon

157 " 1318 "

P. M.																
1	4 0		SW & S	S	1		30.12	85	85	79	81	bc	cir cum	7	"	
2	4 0		SW & W	SE	1		30.10	85	85	79	81	"	"	7	"	
3	7 6		"	"	2		30.10	85	85	79	81	"	"	6	"	Set head sails, foresail
4	7 6		"	"	2		30.08	84	85	79	81	"	"	8	"	and main topsail
5	8 0		"	E & N	3		30.05	82	81	76	81	"	"	8	"	Set plain sail to mizzen
6	8 0		"	"	3		30.05	82	80	76	80	"	"	8	"	stop gall & stunsails
7	5 0		"	ESSE	3		30.03	80	80	76	81	"	cir strat	9	"	
8	5 0		"	"	3		30.03	80	80	76	81	"	cir	8	"	
9	1 2		SW	"	3		30.06	80	80	77	81	"	"	9	"	
10	4 8		"	"	3		30.09	81	80	77	81	"	cir cum	7	"	
11	4 6		"	"	3		30.09	81	80	77	81	"	"	8	"	
Mid.	4 2		"	"	3		30.09	81	80	77	81	"	"	4	"	

Longitude by Chronometer from Afternoon Observations ☉

40° 38' 00" E

Longitude by Chronometer from Observations \*

0 " "

Variation of the Compass by Amplitude observed at Sunset

0 " "

Variation of the Compass by Az ☉ at 11 pm

14° 18' 00" W



under the command of

Commander A. H. M<sup>c</sup> Cormick

, U. S. Navy,

Saturday, October 25<sup>th</sup>

, 1872.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and to 11 A.M. Clear and pleasant, light breeze from N.W. Barometer falling. Swung to flood, at 2.30 Started fires under six boilers at 2. Aneroid barometer 30.19.

Signed. Karl Rohrer.

Sicut

11 to 8 A.M. Clear and pleasant with light breeze from S.E. by S. Rising barometer. At 5.00 called all hands up anchor, and at 5.20 got underway. At 5.35 took departure. St. Georges I. light bearing (pc) S. S.W. distant one mile. Ships head E. S. E. patent log 91. At 5.50 changed course to South, patent log reading 92.5. At 6<sup>30</sup> changed course to S. S. E. patent log 97.9. At 8. changed course to S.W. by S. patent log 108. Ships draft forward 14' 10" aft 16' 00". Aneroid 30.22. Av. steam press 46. Revolutions 115.

Signed

W. J. Sears.

Ensign.

8 A.M. to Meridian. Weather clear and warm, light airs from S.W. Barometer steady. Mustered at quarters, at 9.30. Passed a Norwegian barkentine, at 11.30 Steam pressure 40. Rws 43. Aneroid 30.18

Signed.

G. P. Russ.

Sicut

Meridian to 11 P.M. Clear and warm, light airs from South, hauling to S.E. and slightly freshening. At 12.30 changed course to S.W. 1/4 W. patent log 140.8. At 1.30 set all head sails, and at 2.20 the foresail and main trysail. Aneroid barometer 30.14. Steam 47 lbs. Rws 47. Patent log 68.8.

Signed.

W. M. Irwin.

Sicut

11 to 6 P.M. Clear and pleasant. Light freshening breeze from E by N. Smooth sea. At 4.15 set all plain sail to royals. At 5<sup>45</sup> stopped engines, and banked fires, and uncoupled screw. Aneroid 30.12. Patent log 86.

Signed. Wainwright Kellogg.

Sicut

6 to 8 P.M. Clear and pleasant. Gentle breeze from E. S. E. Barometer steady. Fires banked under six boilers. Rove stunsail gear, and bent the port stunsails except lower, and set them. Aneroid bar 30.13. Patent log 96.3

Signed.

Karl Rohrer.

Sicut

8 P.M. to Midnight. Weather generally clear and pleasant, growing cloudy last hour. Gentle breeze from E. S. E. Barometer rising. The moon set at 11.35. Fires banked. Changed course, at 8.15 to S.W. Aneroid, at end of watch 30.16

Signed.

G. P. Russ.

Sicut

Moon and

Examined and found to be correct.

Dec. 17° 00' 36" S.

Phase. New moon.

W. H. Parker

Sicut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	14 0		S. W	SE	3		30.09	81	80	77	81	bc	circum	6	S	Plain sail to royals
2	14 0		"	"	3		30.08	81	80	77	81	"	"	7	"	port stunsails except
3	14 0		"	NE	3		30.07	81	80	77	81	"	"	7	"	lower
4	14 0		"	"	3		30.06	81	80	77	81	"	"	7	"	
5	3 0		"	"	3		30.06	80	80	77	81	"	circum	8	"	
6	3 11		"	"	3		30.06	80	80	77	81	"	"	7	"	Set top gall stunsails
7	3 6		"	"	3		30.08	80	81	77	81	"	"	7	"	hailed down head sails
8	14 0		"	"	3		30.08	80	81	77	81	"	"	8	"	
9	14 0		"	"	3		30.08	80	81	79	81	"	"	8	"	
10	14 0		"	"	3		30.07	81	82	79	81	"	"	7	"	
11	14 5		"	NE x N.	3		30.07	81	82	79	81	"	"	7	"	
Noon.	5 0		"	"	3		30.07	81	84	79	81	"	"	7	"	

Distance run by Log since preceding Noon

123 knots 6 fathoms

Latitude by D. R. at Noon

17° 49' " S

Longitude by D. R. at Noon

29° 33' " E

Latitude by Observations at Noon ☉

18° 04' " S

Longitude by Chronometer from Forenoon Observations ☉

39° 22' " E

Current during the time 0.8 knots fms. per hour, setting to the

S. 37° W

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

S. 4th.

14° 30' " W

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2380 "

Coal consumed during the preceding 24 hours

5 tons 684 lbs.

Coal remaining on hand at Noon

152 " 634 "

P. M.																
1	1 0		S. W	SE by E	2		30.03	82	80	81	81	bc	circum	7	S	
2	5 0		"	"	2		30.03	83	83	79	81	"	"	7	"	
3	6 6		"	S.	2		30.03	83	83	79	81	"	"	7	"	Furled sail
4	7 0		"	S. E.	2		30.03	82	83	79	81	"	"	7	"	
5	9 0		"	SE x S	3		30.00	81	82	79	81	"	"	14	"	Set fore sail
6	9 6		"	S	3		30.02	81	81	79	81	"	"	2	"	
7	7 8		"	S S W	5-6		30.05	81	78	75	81	ocgl	circum	0	"	Set square sail
8	6 2		"	S W x S	5-6		30.10	80	78	75	81	bcgl	"	2	"	ft a sail. Took in
9	4 5		"	S	6		30.08	80	78	75	81	"	"	1	"	square sail
10	3 5		"	"	6-8		30.08	78	77	75	81	ocgl	circum	0	"	
11	3 5		"	S x E	5-6		30.08	78	76	72	81	bcgl	"	3	"	
Mid.	4 0		"	S S E.	5-6		30.08	78	76	72	81	"	"	3	"	Took in jibs

Longitude by Chronometer from Afternoon Observations ☉

39° 06' 00" E

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>o</sup> Connick  
Sunday, October 26<sup>th</sup>

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced, and until 4 A.M. Pleasant weather, Gentle breeze from E. S. E. hauling to N.E. At 2.25 took in top gall stunsail and main trysail, Tiris banked, Aneroid barometer 30.011. Patent log 30.

Signed. W. M. Irwin. Sicut

4 to 8 A.M. Clear, and pleasant, Light breeze from N.E. Smooth sea, At 6. set top gallant stunsails and hauled down head sails. Banked fires. Patent log 45. Aneroid 30.15.

Signed. Wainwright Kellogg. Sicut

8 A.M. to Meridian. Clear and pleasant, Gentle breeze from N.E. to N.E. by North. Barometer steady. Mustered and inspected crew at quarters at 9.15. Tiris banked under six boilers. Patent log at end of watch 63.4 knots. Aneroid barometer 30.13.

Signed. Karl Rohrer. Sicut

Meridian to 1 P.M. Weather clear and warm. Wind light and variable. Barometer steady. At 12.30 changed course to S.W. 1/2 W. patent log 61.5. At 1.30 spread fires, furlled all sail and started ahead, under steam. At 3.45 set fore and aft sail except spanker, Aneroid at end of watch 30.06. Steam 113. Rws 145. Patent log 85.7.

Signed. C. P. Rus. Sicut

4 to 6 P.M. Pleasant weather. Moderate breeze from S.W. by S. hauling to South. At 4.10 set all square sail on the fore, and at 4.45, all on the main except mainsail. At 5.50 took in, and furlled all square sail, the wind hauling ahead. Tiris in six boilers. Aneroid barometer 30.11. Patent log at 6. 104.6 knots.

Signed. W. M. Irwin. Sicut

6 to 8 P.M. Cloudy, Pleasant. Light breeze from South until 6.40 when the wind hauled to S. S. W. and freshened to strong breeze. At 7.45 wind hauled to S.W. by S. At 6.50 took in fore and aft sail. At 7.30 sent down top gallant and royal yards. Patent log 18. Aneroid 30.19.

Signed. Wainwright Kellogg. Sicut

8 P.M. to Midnight. Weather squally. Breeze very stiff in squalls from South to S. S. E. Barometer steady. Under steam. pressure 110 lbs, and making 31.3 revolutions. Hauled down jib and slowed down engines to ease the ship. Sea rough. Patent log at end of watch 32.2 knots. Aneroid barometer 30.20.

Signed. Karl Rohrer. Sicut

Moon Laid Examined and found to be correct.  
Dec 15° 08' 53" S.  
Phase, New moon.

W. T. Parham  
Sicut Navigator.



Making passage from Mozambique to Cape Town, S. Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	11	0	SW 1/2 W.	S.	5-6		30.03	77	76	71	80	bcg	Cum. 2 Cir. cum.	3	R	
2	11	2	"	"	4-5		30.01	77	76	71	80	ocg	"	0	"	
3	5	2	"	"	4-5		30.01	76	76	71	80	bcg	"	2	"	
4	6	0	"	"	4-5		30.01	76	76	71	80	"	"	1	"	
5	5	8	"	"	4-5		30.03	76	75	72	80	ocg	"	0	"	
6	6	0	"	S. S. E.	4		30.05	76	75	72	80	bcg	"	1	"	
7	6	6	"	"	4		30.07	76	75	72	80	oc	"	0	"	Set foresails
8	7	0	"	"	4-5		30.09	76	75	72	80	"	"	0	"	Set jib
9	6	8	"	"	4-5		30.11	76	76	74	80	"	"	0	"	Set spanker and
10	6	8	"	"	4-5		30.11	76	76	74	80	"	"	0	"	of top & staysail
11	4 4 2 11		SW 1/2 S.	S. E. x S.	4-5		30.11	76	76	74	80	bc	Cum.	1	"	
Noon.	7	0	"	"	4		30.11	76	76	75	80	"	Cir. cum.	1	"	

Distance run by Log since preceding Noon

140 knots 9 tenths fathoms.

Latitude by D. R. at Noon

19° 58' 00" S

Longitude by D. R. at Noon

37° 56' 00" E

Latitude by Observations at Noon ☉

20° 27' 00" S

Longitude by Chronometer from Forenoon Observations ☉

37° 00' 00" E

Current during the time 2.5 knots — fms. per hour, setting to the

S 62° W

Variation of the Compass by Amplitude ☉ observed at Sunrise

0 " "

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

16° 00' 00" W

Water expended during the preceding 24 hours

320 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2050 "

Coal consumed during the preceding 24 hours

14 tons 456 lbs.

Coal remaining on hand at Noon

138 " 178 "

P. M.	Knots.	Fathoms.	Courses steered.	WINDS.	Force.	Leeway.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	3 0 2 5		SW 1/2 S. SW x S.	S. S. E.	5		30.09	76	76	75	80	bc	Cum. stral Cir. cum.	1	M	
2	5 5		"	"	5		30.06	76	76	75	80	"	"	1	"	Look in spanker
3	5 0		"	S.	5-6		30.05	76	74	75	80	ocg p	"	0	R	" " f & a. sail
4	4 0		"	"	4-6		30.04	76	74	75	80	"	"	0	"	
5	4 0		"	"	4-6		30.04	76	75	73	80	"	"	0	"	Set single reefed
6	4 3		E 1/2 N.	S. S. E.	3-5		30.06	76	75	73	80	bcg	"	1	"	for sail. double
7	3 0		E x S.	S.	3		30.08	76	75	69	80	"	"	1	"	reefed topsails. all
8	1 8		"	"	3		30.08	76	75	69	80	ocg	"	0	"	f & a sail in spanker
9	1 0		E 1/2 S.	"	4		30.08	76	75	69	80	"	"	0	"	
10	1 2		"	"	3		30.08	76	75	70	80	bc	Cum.	1	M	
11	1 11		E x S.	"	3		30.08	76	75	70	80	"	Cir. cum.	2	"	
Mid.	1 2		"	"	3		30.07	76	75	70	80	"	Cir. cum. 3 Cum.	1	"	

Longitude by Chronometer from Afternoon Observations ☉

0 " "

Longitude by Chronometer from Observations \*

0 " "

Variation of the Compass by Amplitude observed at Sunset

0 " "

Variation of the Compass by at

0 " "



under the command of *Commander A. S. McCormick*

, U. S. Navy,

*Monday, October 27th*

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced, and until 11 P. M. Weather overcast, and squally. Wind  
fitful from Sd. Barometer steady. Sea rough. Aneroid, at end of watch 30.18. Steam 110.  
Revolutions 36. Patent log 51.

Signed,

*C. P. Rus.*

*Lieut*

11 to 8 A. M. Overcast, and cloudy. Fresh breeze from South, hauling to S S E. with  
occasional squalls. Rough sea. Barometer rising. At 6.30 set foresail, and at 7.20  
the jib. Steam 147 lbs. Rev. 114. Aneroid barometer 30.21. Patent log 76.3.

Signed,

*W. M. Irwin.*

*Lieut*

8 A. M. to Meridian. Cloudy. Pleasant. Fresh breeze from S E by S. Moderate sea.  
At 9. set sparker, and fore topmast stay sail. At 10.35 changed course to S W 1/2 S; patent  
log 94.5. Patent log at end of watch 103.8. Aneroid 30.22. Steaming under six boilers.  
John Lee (Coalheaver), and John Kennedy, '2d Mach' reported the expiration of their  
terms of enlistment.

Signed, *Wainwright Kellogg.*

*Lieut*

Meridian to 11 P. M. Weather squally, and unsettled. Breeze stiffen squalls  
from S. S. E. to South. Under steam. Pressure 39 lbs, and making 39 revolutions.  
Took in foresail, and fore and aft sail to a shift of wind. At 12.30 changed course  
to S W by S. by order of Captain. Patent log at end of watch 22 knots. Aneroid  
barometer 30.20.

Signed,

*Karl Rohrer*

*Lieut*

11 to 6 P. M. Weather cloudy with moderate breeze from S. S. E. Barometer  
steady. Mustered at quarters, at 11.45. At 11.53 made sail, on starboard  
tack, setting double reefed topsails and single reefed foresail, fore top-  
mast stay sail, and main trysail. Running steam, down to await fair  
weather. Aneroid at end of watch 30.20. Patent log 31.

Signed,

*C. P. Rus.*

*Lieut*

6 to 8 P. M. Cloudy and cool. Moderate breeze from South. Sea mod-  
erating. At 6.20 stopped steaming and uncoupled propellers. Aneroid  
barometer 30.20.

Signed,

*W. M. Irwin*

*Lieut*

8 P. M. to Midnight, Cloudy. Light breeze from S. S. E. Moderate sea.  
Banked fires. Aneroid 30.21. Observed moonlight.

Signed,

*Wainwright Kellogg.*

*Lieut*

Moon Lmid Examined and found to be correct.  
Dec 12° 34' 14" S.  
Phase 1<sup>st</sup> Quarter

*W. J. Parker*  
*Lieut & Navigator.*



Making passage from Mozambique to Cape Town. S. Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at't'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	15		E x S	S	11		30.05	76	75	72	78	bc	Pinn	1	M	
2	15		"	"	11		30.05	76	75	72	78	"	"	3	"	
3	15		"	"	11		30.05	76	75	72	78	"	"	11	"	
4	30		"	"	11		30.05	76	75	72	78	"	"	11	"	
5	70		S. S. W. 1/2 W	S x E	11		30.09	76	75	71	78	"	"	11	"	
6	70		"	"	11		30.09	76	75	71	78	"	"	3	"	Set for a sail except flying jib
7	70		"	"	11		30.10	76	75	71	78	"	"	3	"	
8	70		"	"	11		30.10	76	75	71	78	"	"	11	"	Took in main Tropsail
9	68		"	"	3		30.15	77	76	71	78	"	"	3	"	
10	72		S. W. x S	"	3		30.15	78	76	71	78	"	"	2	"	Set main Tropsail
11	72		"	"	3		30.17	78	76	71	78	"	"	2	"	
Noon.	84		"	"	3		30.16	78	76	71	77	"	Cir cum 3 cum	1	"	

Distance run by Log since preceding Noon

103 knots 0 fathoms.

Latitude by D. R. at Noon

21° 41' 00" S.

Longitude by D. R. at Noon

36° 55' 00" E

Latitude by Observations at Noon ☉

22° 08' 00" S

Longitude by Chronometer from Forenoon Observations ☉

37° 15' 00" E

Current during the time 1.3 knots — fms. per hour, setting to the

S 34° E.

Variation of the Compass by Amplitude ☉ observed at Sunrise

0°

Variation of the Compass by Azimuth ☉ observed at

0°

Water expended during the preceding 24 hours

325 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1725 "

Coal consumed during the preceding 24 hours

9 tons 746 lbs.

Coal remaining on hand at Noon

128 " 1678 "

P. M.																
1	50		S. W. x S	S.	3		30.16	76	75	70	77	bc	Cir cum 3 cum	1	S	Set flying jib
2	70		"	"	3		30.16	76	75	70	77	sc	"	0	"	
3	74		"	"	3		30.15	75	75	70	77	"	"	0	"	
4	78		"	S x E.	3		30.15	75	74	69	77	"	"	0	"	Set for a sail
5	75		"	S. S. E.	3		30.15	75	74	70	77	bc	Cum Cir cum 3 cum	1	"	
6	80		"	"	11		30.15	75	74	70	77	"	"	1	"	
7	78		"	S x E.	3		30.16	76	74	70	77	"	"	11	"	Took in for a sail
8	80		"	"	3		30.17	76	73	69	76	"	Cir cum	2	"	
9	76		"	"	3		30.18	76	74	69	76	"	"	2	"	
10	76		"	"	3		30.18	75	74	69	76	"	"	2	"	
11	76		"	"	3		30.18	75	74	68	76	"	"	3	"	
Mid.	78		"	"	3		30.17	74	74	68	75	"	"	2	"	

Longitude by Chronometer from Afternoon Observations ☉

0°

Longitude by Chronometer from Observations \*

0°

Variation of the Compass by Amplitude observed at Sunset

0°

Variation of the Compass by

at

0°



under the command of

Commander A. H. M<sup>c</sup> Cormick  
Tuesday, October 28<sup>th</sup>

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather pleasant. Moderate breeze from South. Barometer steady. At 3 spread fores. Coupled fore-puller. furled sail and went ahead under steam putting the ship on the course S. S. W  $\frac{1}{2}$  W by order of Captain. Put over Patent log it showing 35.2 knots, and at 11 it showed 37.2 knots. Aneroid bar 30.20.

Signed. Karl Rohrer. Sicut

11 to 8 A.M. Weather partly cloudy and pleasant, Gentle breeze from S by E. Barometer steady. Set all fore and aft sail except flying jib at 5.15. Took in main topsail at 7.40. Aneroid at end of watch 30.28. Steam 449. Revs 43. Patent log 62.2.

Signed. C. P. Rus. Sicut

8 A.M. to Meridian. Cloudy and cool. Gentle breeze from S by E. Smooth sea. At 9.05 changed course to S W by S; patent log 69.5. Set main topsail. Rove off new main topsail sheets. Steam 445 lbs.

Revs. 444. Aneroid barometer 30.28. Patent log 91.8. By order of Comdg Officer placed Chas. C. Battz (P.M.) in double irons for five days for insolence to first sergeant.

Signed. W. M. Irwin. Sicut

Meridian to 11 P.M. Cloudy. Pleasant. Light breeze from South. to S by E. Smooth sea. Moderate swell from S W. At 12.45 changed course to S W  $\frac{1}{2}$  S. At 3.45 set foresail. Steaming under six boilers. Patent log 20.6. Aneroid 30.27.

Signed. Mainwright Kellogg. Sicut

11 to 6 P.M. Cloudy but pleasant. Gentle to moderate breeze from S. S. E. Barometer steady. Under steam, pressure 113 lbs, 445 revolutions. Aneroid barometer 30.30. Patent log 35.8 knots.

Signed. Karl Rohrer. Sicut

6 to 8 P.M. Weather cloudy and pleasant. Gentle breeze from S. E. Barometer steady. Haulid up and furled foresail at 6.30. Aneroid at end of watch 30.30. Steam 446 lbs. Rev 445. Patent log 51.3.

Signed. C. P. Rus. Sicut

8 P.M. to Midnight. Cloudy. Pleasant. Gentle breeze from S by E. Smooth sea. Steam 440 lbs. Revs. 444. Aneroid bar. 30.30. Patent log 86.3.

Signed. W. M. Irwin Sicut

Moon Laid Examined and found to be correct.

Dec 9° 21' 18" S.

Phase. First Quarter

W. H. F. Cook  
Sicut Navigator.



Making passage from Mozambique to Cape Town, South Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8 0		SW 1/2 S	S	3		30.15	74	73	68	75	bc	circum	2	S	Fore and aft sail
2	8 0		"	"	3		30.15	74	73	68	75	"	"	2	"	
3	8 0		"	S x E.	3		30.15	74	73	68	75	"	"	3	"	
4	8 0		"	"	3		30.13	74	73	68	75	"	"	3	"	
5	7 5		"	S. S. E.	2		30.14	74	73	68	75	"	circ <sup>as</sup> circum	3	"	Took in main top sail
6	7 0		SW	"	2		30.15	74	73	68	75	"	"	3	"	
7	8 0		"	"	2		30.16	74	73	68	75	"	"	3	"	
8	8 0		"	S x E	2		30.18	74	73	68	75	"	"	11	"	
9	7 8		"	S S W.	2		30.23	74	74	68	75	"	"	6	"	
10	7 0		SW x W	"	1		30.23	74	74	68	75	"	"	11	"	
11	6 8		"	"	1		30.23	74	74	68	75	"	"	11	"	
Noon.	7 5		"	calm	0		30.23	75	75	68	75	"	"	8	"	

Distance run by Log since preceding Noon

183 knots 7 <sup>tenths</sup> fathoms.

Latitude by D. R. at Noon

24° 52' 00" S

Longitude by D. R. at Noon

35° 51' 00" E

Latitude by Observations at Noon ⊙

24° 57' 00" S.

Longitude by Chronometer from Forenoon Observations ⊙

35° 58' 00" E

Current during the time 0.3 knots — fms. per hour, setting to the

S 49° E.

Variation of the Compass by Amplitude ⊙ observed at Sunrise

° ' "

1331 Variation of the Compass by Azimuth ⊙ observed at S. Alt.

20° 00' 00" N.

Water expended during the preceding 24 hours

330 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1395 "

Coal consumed during the preceding 24 hours

114 tons 470 lbs.

Coal remaining on hand at Noon

114 " 1238 "

P. M.																
1	6 8		SW x W.	SW.	1		30.22	75	76	69	75	bc	circum	7	S	
2	6 8		"	"	1		30.22	77	76	70	75	"	"	9	"	
3	7 2		"	"	2		30.21	78	77	70	75	"	"	8	"	
4	8 0		"	S x W	1		30.21	78	77	70	75	"	"	8	"	
5	8 0		"	"	2		30.21	75	75	70	75	"	"	8	"	
6	8 11		"	"	3		30.21	75	75	72	75	"	circ <sup>8</sup> circum	7	"	
7	8 5		"	S.	3		30.20	75	75	72	75	"	"	7	"	
8	8 5		"	"	3		30.20	74	74	73	75	"	"	7	"	
9	8 3		"	"	3		30.25	75	73	69	75	"	"	8	"	
10	8 0		"	"	3		30.25	74	73	69	75	"	"	8	"	
11	8 0		"	"	3		30.25	74	73	69	75	"	"	8	"	
Mid.	8 0		"	"	3		30.25	74	73	69	75	"	"	8	"	

Longitude by Chronometer from Afternoon Observations ⊙

35° 57' 00" E

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. S. M<sup>r</sup> Conrick  
Wednesday, October 29<sup>th</sup>

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy Pleasant. Light breeze from S by E. Smooth sea, Moon rose at 1.55. Steaming under six boilers. Patent log 11.5 knots. Aneroid 30.28.

Signed. Mainwright Kellogg. Lieut  
4 to 8 A.M. Clear and pleasant weather. Gentle breeze from S by E to S. S. E. Barometer rising. At 5.10 changed course to S. W. by order of Captain. Patent log indicating 30.2 knots. Under steam pressure 30 lbs. 114 revolutions. Aneroid barometer 30.33. Patent log 43.2 knots.

Signed. Karl Rohrer. Lieut  
8 A.M. to Meridian. Weather clear and pleasant. Light airs from S. W. Barometer steady. Mustered at quarters at 9.15; exercised 1<sup>st</sup> and 3<sup>d</sup> divisions and marine guard at small arms and 2<sup>d</sup> division at single sticks. Exercised signal class at making signals. Aneroid at end of watch 30.32. Steam 33. Revs. 39. Patent log 7.8. Changed course at 9 to S. W. by W. By order of Commanding Officer. Henry Furman (P.M.) and Harvey Lake (P.M.) were given six hours extra duty for being slow at spreading awning and W<sup>m</sup> Shupson (Os) 5 days in double irons for disobedience of orders of Captain of Newcastle.

Signed. C. P. Aus. Lieut  
Meridian to 4 P.M. Clear and pleasant. Light airs from S. W. hauling to S by W. At 3<sup>30</sup> set jib, flying jib and fore topmast stay sail. Steam 33 lbs. Revs. 40. Aneroid barometer 30.32. Patent log 101.8.

Signed. W. M. Irwin. Lieut  
4 to 6 P.M. Clear and warm. Light breeze from S by W. Sea smooth. Long moderate swell from S. W. At 4<sup>30</sup> set foresail and at 5<sup>30</sup> took it in and furled it. Set all fore and aft sail at 4.15. At 4.45 mustered at quarters. Steaming under six boilers. Patent log 18. Aneroid 30.32.

Signed. Mainwright Kellogg. Lieut  
6 to 8 P.M. Clear and pleasant. Gentle breeze from South. Barometer steady. Under steam and fore and aft sail. Steam pressure 50 lbs and making 51 revolutions. Patent log at end of watch 35.5. Aneroid bar. 30.35.

Signed. Karl Rohrer. Lieut  
8 P.M. to Midnight. Weather clear and pleasant. Bright moonlight. Gentle breeze from Sd. Barometer steady. Aneroid at end of watch 30.38. Steam 41. Revs. 46. Patent log 68.5.

Signed. C. P. Aus. Lieut

Recomputed  
Dec 5° 35' 02" S.  
Phase. 1<sup>st</sup> Quarter.  
Examined and found to be correct.

W. J. Parker  
Lieut and Navigator.



Making passage from Mozambique to Cape Town, South Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	80		S 1/2 x H	S.	3		30.26	75	74	70	75	bc	ci cum 3 cum	5	S	Fore and aft sail
2	80		"	"	3		30.26	74	73	70	74	"	"	2	"	
3	90		"	"	3		30.26	74	73	70	74	"	"	6	"	
4	90		"	S. S. E.	3		30.27	74	73	70	74	"	"	4	"	Set fore sail
5	88		"	"	3		30.27	74	73	68	74	"	"	3	"	Took in fore sail
6	86		"	"	3		30.27	74	73	68	74	"	"	3	"	
7	8 11		"	"	3		30.28	74	73	69	74	bcp	"	2	"	
8	86		"	"	3		30.29	74	73	69	74	bc	ci cum strat	6	"	
9	85		"	S.	3		30.30	74	73	69	74	"	"	6	"	
10	80		"	"	3		30.30	75	73	69	74	"	"	5	"	
11	80		"	"	3		30.30	75	74	69	74	"	"	5	"	Set fore sail
Noon.	100		"	S x E	3		30.30	74	74	69	74	"	"	5	"	

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time 1-0 knots — fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at *SAMB.*

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

194 knots *11 tenths*

27° 40' 00" S

33° 56' 00" E

27° 51' 00" S

33° 34' 00" E

S. 55° W.

"

22° 00' 00" W.

345 gallons.

"

1050 "

15 tons, 700 lbs.

99 " 538 "

P. M.																
1	40		S 1/2 x H	S x E.	3		30.30	74	74	69	74	bc	ci cum	6	S	Made sq. sail to royals
2	86		"	S E x E.	3		30.26	74	73	68	74	"	"	11	"	Set port stunsails & crew
3	90		"	E x S.	11		30.21	73	72	68	74	"	"	11	"	Lower.
4	60		"	E.	11		30.21	73	72	68	74	"	"	11	"	
5	65		"	"	11		30.21	73	72	68	74	"	"	11	"	Took in flying jib and
6	70		"	"	11		30.21	73	72	68	74	"	"	8	"	for top of main sail
7	66		"	"	11		30.21	74	72	68	74	"	"	6	"	Took in spanker
8	70		"	"	11		30.26	74	72	68	74	"	"	6	"	
9	66		"	N E.	5		30.26	74	72	68	74	bc	ci cum	0	"	
10	60		"	N E x E	5		30.27	75	72	68	74	"	"	0	"	
11	60		"	"	5		30.27	75	73	69	74	bc	"	1	"	Took in main top sail
Md.	70		"	"	5		30.25	74	73	69	74	"	"	1	"	Top gall. stunsail

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by *az* ☉ at 11 p.m.

33° 35' 00" E

"

"

21° 30' 00" W.



under the command of

Commander A. H. M. Conrick  
Thursday, Oct. 30

, U. S. Navy,

, 1874.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Partly cloudy. Moderate breeze from South hauling to S. S. E. At 3.45 set foresail. Steam 44 lbs. Revs. 48. Aneroid barometer 30.38. Patent log 100.7.

Signed.

W. M. Irwin.

Lieut

11 to 8 A.M. Cloudy until 7, when it became clear, and pleasant. Light breeze from S. S. E. Smooth sea. At 6 took in foresail. Passed a small steamer bound to Yok. Steaming under six boilers. Patent log 34.8. Aneroid 30.45.

Signed. Mainwright Kellogg.

Lieut

8 A.M. to Meridian. Clear, and pleasant. Gentle breeze from South to S by E. Barometer steady. At 9.15 mustered at quarters, and exercised at divisional drills. Under steam, fore and aft sail and foresail. pressure 44 lbs. 47 revolutions. Aneroid barometer 30.44. Patent log 69 knots. Chas Carroll 'Q. M.' reported the expiration of his term of enlistment.

Signed.

Karl Rohrer.

Lieut

Meridian to 11 P.M. Weather clear, and pleasant. Gentle breeze from S and E. Barometer falling. At 12.30 changed course to S. W. by W 1/4 W. Set foresail at 1.05. Made sail to royals, and set all port stunsails except lower 1.20 - 2.30. Shifted fires for distilling to forward boilers. Let steam run down. Banked fires, and uncoupled propeller at 3.00. Began distilling at 3.00. Aneroid at end of watch 30.37. Patent log 100.3.

Signed.

C. P. Reis.

Lieut

11 to 6 P.M. Pleasant weather. Moderate breeze from East. Smooth sea. Fires banked under four boilers. Distilling. Mustered at quarters, at 4.45 after which exercised crew at fire quarters. Aneroid barometer 30.36. At 5.40 took in flying jib and fore topmast stay sail.

Signed.

W. M. Irwin.

Lieut

6 to 8 P.M. Clear, and pleasant. Moderate breeze from East. Smooth sea. At 7.50 hauled down jib. Banked fires. Patent log 28.4. Aneroid 30.42.

Signed. Mainwright Kellogg.

Lieut

8 P.M. to Midnight. Pleasant weather. Fresh breeze from N. E. to N. E. by E. Barometer falling. Fires banked under four boilers. Distilling. Aneroid barometer 30.37. Patent log 54.2 knots.

Signed.

Karl Rohrer.

Lieut

Moon. mid. Examined and found to be correct.  
Dec 1° 24' 08" S.

Phase, 1<sup>st</sup> Quarter.

W. H. Parker  
Lieut. & Navigator.



Making passage from Mozambique to Cape Town, S. Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETEE.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8 0		S 24 x 24 1/4 N 6 x 8		6		30.21	74	72	69	74	bc	Curcum	11	S.	Square sail
2	7 6		"	"	6		30.19	74	72	69	74	"	"	2	"	
3	7 2		"	"	5		30.16	74	72	69	74	"	"	24	"	
4	7 5		"	"	5		30.16	74	72	69	74	"	"	7	"	
5	8 0		"	"	5		30.12	74	72	69	74	"	"	6	"	
6	8 0		"	"	5		30.11	74	72	69	74	"	"	11	"	
7	8 0		"	"	5		30.12	74	72	69	74	"	"	3	"	
8	8 14		"	"	5		30.14	74	72	69	74	"	"	11	"	
9	8 2		"	"	4.5		30.12	74	73	70	74	"	"	5	"	
10	7 8		"	"	4.5		30.12	74	73	71	74	"	"	6	"	
11	6 14		"	"	11		30.12	75	75	71	74	"	Curcum	6	"	
Noon.	8 0		"	"	4.5		30.10	75	76	72	74	"	"	5	"	

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon

Longitude by Chronometer from Forenoon Observations

Current during the time 1-3 knots — fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

Variation of the Compass by Azimuth observed at S.A.M.

Water expended during the preceding 24 hours

Water distilled during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

177 knots 3 fathoms.

30° 26' 00" S

31° 37' 00" E

30° 54' 00" S

31° 22' 00" E

S. 25° W.

" " "

25° 00' 00" W

350 gallons.

2200 "

2900 "

14 tons 940 lbs.

94 " 1838 "

P. M.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	3 0		S 24 x 24 1/4 N 6 x 8	E N E	5	30.08	75	77	72	75	bc	Cur and Curcum	11	S	
2	6 0		"	"	5	30.06	76	77	72	75	"	"	5	"	
3	6 0		"	"	5	30.05	77	77	72	75	"	"	5	"	
4	6 5		"	"	5	30.04	77	78	83	75	"	"	5	"	
5	6 6		"	"	5	30.01	77	77	73	75	"	"	5	"	
6	6 8		"	"	5	30.01	77	77	73	75	"	"	5	"	
7	6 2		"	"	11	30.01	75	74	71	75	"	"	1	"	
8	5 6		"	"	11	30.01	75	74	71	75	"	"	8	"	
9	5 2		"	"	5	30.01	75	74	71	75	"	"	7	"	
10	5 2		"	"	11	30.01	75	74	71	75	"	"	3	"	
11	5 2		"	"	11	30.01	75	74	71	75	"	"	2	"	
Mid.	11 14		"	"	11	30.00	74	73	70	75	"	"	14	"	

Longitude by Chronometer from Afternoon Observations

Longitude by Chronometer from Observations

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at

31° 10' 00" E

" " "

" " "

" " "



under the command of *Commander A. H. M. Cornick*  
*Friday, October 31st*

, U. S. Navy,  
1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather partly cloudy and pleasant. Moderate breeze from N.E. by E. Barometer falling. Took in fore top-mast stunsail at 12.05. The moon set at 3.20. Firis banked. Distilling Aneroid at end of watch 30.28. Patent log 24.1.

Signed. *W. M. Irvin*. Lieut

4 to 8 A.M. Pleasant weather. Fresh breeze from N.E. by E. Long swell from N<sup>e</sup> and E<sup>e</sup>. Barometer steady. Aneroid barometer 30.26. Patent log 16. Distilling.

Signed *C. P. Rus.* Lieut

8 A.M. to Meridian. Cloudy latter half of watch, clear the remainder. Moderate breeze from N.E. by E. Moderate sea. Exercised the boarders and riflemen at stations. Patent log 46.4. Aneroid 30.23. Banked firs. D. Montgomery (1st Fir) reported the expiration of enlistment.

Signed. *Wainwright Kellogg*. Lieut

Meridian to 4 P.M. Clear and pleasant weather. Fresh breeze from E. N.E. Barometer falling. At 3.15 stopped distilling. hauled the firs and started two others and banked them. four others also banked. At 12.25 changed course to N.S. W. by W. by order of Captain. Pat. log 49.3. Aneroid barometer 30.17. Patent log 71.5 knots.

Signed. *Karl Rohrer*. Lieut

4 to 6 P.M. Weather clear and pleasant. Moderate breeze from E. N.E. Barometer falling. Mustered at quarters at 4.45. Aneroid at end of watch 30.8. Patent log 84.7.

Signed. *W. M. Irvin* Lieut

6 to 8 P.M. Clear and pleasant. Moderate breeze from E. N.E. Smooth sea. Aneroid barometer 30.17. Patent log 96.7.

Signed. *C. P. Rus.* Lieut

8 P.M. to Midnight. Clear and pleasant. Light breeze from E. N.E. Smooth sea. Obscured moonlight. Patent log 16.6. Banked firs. Aneroid 30.15.

Signed. *Wainwright Kellogg*. Lieut

Moonland. Examined and found to be correct.  
Dec 3° 00' 01" N.  
Phase, 1<sup>st</sup> Quarter.

*W. T. R. R.*  
Lieut Navigator.



Making passage from Mozambique to Cape Town, S. Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
8 32-00 A. M.																
6 30-00	1	3 0	N S N 1/4 N.	E A E	2		29.99	70	73	71	74	bc	Clear & Circum	11	S	Look in all sail
	2	14 0	"	"	2		29.98	74	73	70	74	"	"	5	"	
	3	7 5	"	cl E	2		29.97	74	73	70	74	"	"	3	"	
	4	8 0	"	cl.	2		29.96	74	73	70	74	"	"	3	"	Set fore and aft sail
	5	8 0	"	cl N.	2		29.97	73	72	68	74	"	"	11	"	
	6	7 7	"	N x S	5		29.97	72	72	67	73	"	"	3	"	
9 32-02	7	7 4	"	"	5		29.97	72	72	67	73	"	"	3	"	
6 29-15	8	7 0	"	S N x N	5		29.97	73	72	67	73	"	"	5	"	
	9	6 0	"	"	5		29.98	74	73	68	73	"	"	11	M	
	10	6 2	"	"	5		29.98	74	73	68	73	bc p.	"	3	"	
	11	6 0	"	"	5		29.98	74	73	67	73	bc	"	6	"	
Noon.	6	6	"	"	4		29.98	74	73	68	73	"	"	8	"	

Distance run by Log since preceding Noon

147 knots 3 fathoms

Latitude by D. R. at Noon

32° 42' 00" S.

Longitude by D. R. at Noon

28° 54' 00" E

Latitude by Observations at Noon ☉

33° 12' 00" S

Longitude by Chronometer from Forenoon Observations ☉

28° 54' 00" E

Current during the time 1.6 knots — fms. per hour, setting to the

S. 39° N.

1387 Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

° ' "

Water expended during the preceding 24 hours

1400 gallons.

Water distilled during the preceding 24 hours

1100 "

Water remaining on hand fit for use at Noon

2900 "

Coal consumed during the preceding 24 hours

8 tons 1680 lbs.

Coal remaining on hand at Noon

86 " 158 "

P. M.																	
1	2	11	N S N 1/4 N	S N x N	5		29.98	74	72	68	73	bc	cum & circum	11	M		
2	6	6	"	"	5		29.98	74	72	67	73	"	"	3	"		
3	6	2	"	N S N	5		29.95	74	72	67	73	"	"	2	"		
4	6	6	"	"	5		29.95	74	71	67	73	ocd	"	0	"		
5	5	0	"	N x S	4-6		29.95	73	70	66	73	bc p.	cum & circum	2	"		
6	2	0	"	N S N	5-6		29.97	73	70	66	73	"	"	2	"		
7	2	0	N	N	5-6		29.97	73	70	65	72	bc	"	2	"		
8	2	0	"	"	5-6		29.97	73	69	65	72	"	"	1	"		
9	2	8	"	N x N	5-6		29.98	73	69	65	72	ocgd	"	0	R.		
10	3	2	"	"	5-6		30.00	73	69	65	70	ocgr	minib	0	"		
11	3	0	N 1/2 S	S N	5-6		30.00	71	67	63	70	ocgd	"	0	"		
Mid.	4	0	"	"	5-6		30.00	71	67	63	70	ocg	cum & circum	0	"		

Longitude by Chronometer from Afternoon Observations ☉

28° 44' 00" E.

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of *Commander A. H. M<sup>c</sup> Connick*, U. S. Navy,  
*Saturday November 1st*, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Clear, and pleasant weather. Light breeze from E. S. E. to North. Barometer falling. At 1.05 spread fores and furlled sail. At 1.50 started ahead under steam. Patent log indicating 22 knots. Pressure 110 lbs and making 112 revolutions. Aneroid barometer 30.11. Patent log 38.5 knots.

Signed. *Karl Rohrer.* Lieut

11 to 8 A.M. Weather partly cloudy and pleasant. Wind hawling from N and N. W. to S. and W. At 5.10 took in all fore and aft sail. At 6.15 sent down top gallant and royal yards. Aneroid at end of watch 30.15. Steam 50. Rws 48. Patent log 68.2.

Signed. *C. P. Rus.* Lieut

8 A.M. to Meridian. Partly cloudy with passing showers first part. Moderate breeze from S by W. Moderate sea. Steam 49 lbs. Rws 46. Aneroid barometer 30.13. Patent log 96.4. The term of enlistment of John Foster. P. M. expires to day.

Signed. *W. M. Irwin.* Lieut

Meridian to 11 P.M. Cloudy. Light drizzle last half hour of watch. Moderate breeze from N. S. W. Moderate sea. At 12.25 changed course to N. by N. Steaming under six boilers. Patent log 20. Aneroid 30.13.

Signed *Hainwright Kellogg.* Lieut

11 to 6 P.M. Weather squally. Fresh breeze in squalls from N by S. to N. S. W. Barometer rising. Moderate sea running which ship rides easily. At 5.25 slowed down to ease ship. Under steam. Pressure 115 lbs, and making 112 revolutions. Aneroid barometer 30.16. Patent log 26.4 knots. At 6. changed course to West by order of Captain.

Signed. *Karl Rohrer.* Lieut

6 to 8 P.M. Weather squally. Wind from W. Barometer steady. Sea rough but moderating. Aneroid at end of watch 30.28. Steam 114. Rws 34. Pat log 20.1

Signed. *C. P. Rus.* Lieut

8 P.M. to Midnight. Overcast cloudy and rainy. Wind fresh with frequent squalls from N by N. hawling to S. W. Sea rough. Steam 110 lbs. Revolutions 32. Aneroid barometer 30.23. At 10.15 changed course to N. by S. Patent log 35.4.

Signed. *W. M. Irwin.* Lieut

Moon 1010  
Dec 7<sup>th</sup> 22' 38" N.  
Phase, First Quarter  
Examined and found to be correct.

*W. H. Parker*  
Lieut & Navigator.



Making passage from Mozambique to Cape Town, S. Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	3 0		N. by E.	S. W.	5-6		30.00	70	68	61	70	ocqf	cum 3	0	R	
2	4 4		"	"	5-6		30.00	70	68	61	70	ocqf	"	0	"	
3	4 4		"	"	5-6		30.00	69	67	61	70	"	"	0	"	
4	5 0		"	N. by E.	5-6		30.01	69	67	61	70	"	"	0	"	
5	4 5		"	S. W.	5		30.01	67	66	60	70	bc	cum 3	3	M	Set jib of topmast stay, etc.
6	5 0		N.	"	5		30.03	66	65	59	70	"	"	3	"	Main topmast
7	5 5		"	S. W. by S.	5		30.05	66	65	59	70	"	"	4	"	
8	6 0		"	S. S. W.	5		30.07	65	64	59	70	"	"	3	"	Set foremast stay, etc.
9	6 4		"	"	5		30.10	65	64	59	70	bcqf	"	5	"	
10	7 3		"	S. W. by S.	5-6		30.15	64	63	57	70	"	"	4	"	
11	8 0		"	"	5-6		30.15	63	63	57	70	"	"	5	"	
Noon.	8 0		"	"	5-6		30.18	63	62	57	70	"	"	5	"	

Distance run by Log since preceding Noon

118 knots 5 fathoms

Latitude by D. R. at Noon

34° 09' 00" S.

Longitude by D. R. at Noon

26° 51' 00" E.

Latitude by Observations at Noon ☉

34° 28' 00" S.

Longitude by Chronometer from Forenoon Observations ☉

26° 56' 00" E.

Current during the time 2.0 knots — fms. per hour, setting to the

S. 66 W.

Variation of the Compass by Amplitude ☉ observed at Sunrise

"

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

30° 00' 00" W.

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2550 "

Coal consumed during the preceding 24 hours

13 tons 680 lbs.

Coal remaining on hand at Noon

72 " 1718 "

P. M.																
	1	5 <sup>0</sup> 28	West N & N 1/2 W.	S. S. W.	5-6	30.22	63	62	57	70	bc of	circum 5 cum	3	R	Look in spanker, etc.	
	2	9 0	"	"	5-6	30.25	63	62	56	70	"	"	4	"	fore topsail double reef	
3	3	9 14	"	"	4-5	30.26	64	63	56	70	"	"	4	"	M. topsail, single reef	
34-39	4	9 5	"	S.	4-5	30.27	64	63	56	70	"	"	4	"		
6	5	9 6	"	"	4-5	30.27	66	63	56	70	"	"	3	"		
25-00	6	9 4	"	"	5	30.30	63	63	56	70	bc	circum 5 minutes	3	"		
3	7	9 5	"	S. S. E.	5	30.31	63	62	56	70	bc of	"	3	M		
8	8	9 5	"	"	5	30.32	63	62	57	70	"	"	3	"		
24-09	9	9 5	"	"	5	30.36	63	62	57	70	bc	"	4	"		
	10	9 6	"	"	5	30.36	63	62	61	58	"	"	3	"		
	11	9 3	"	"	5	30.33	64	63	61	68	"	"	6	"		
Mid.		9 4	"	"	5	30.33	64	63	61	68	"	"	4	"		

Longitude by Chronometer from Afternoon Observations ☉

26° 35' 00" E.

Longitude by Chronometer from Observations \*

"

Variation of the Compass by Amplitude observed at Sunset

"

Variation of the Compass by at.

"



under the command of

Commander A. H. M<sup>r</sup> Conrick  
Sunday, November 2d

, U. S. Navy,

1884

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Cloudy. Occasional showers of rain and moderate squalls of wind. Fresh breeze, greater part of watch from S.W. and W. Moderate sea. Obscured moonlight. Steaming under six boilers. Patent log 48.6. Aneroid 30.26.

Signed. Hainwright Kellogg.

Lieut

11 to 5 A.M. Weather pleasant. Fresh breeze from S.W. to N.E. Barometer rising. At 5. changed course to West by order of Captain; Patent log indicating 52.11 knots. At 5.25 passed a brigantine standing to S and E; another sail in sight on starboard bow standing to W. Under steam, fore and aft sail, and foresail. Pressure 41 lbs. 37 revolutions. Aneroid barometer 30.31. Patent log 66.2 knots.

Signed.

Karl Rohrer.

Lieut

8 A.M. to Meridian. Weather cloudy, and squally, wind from S.E. W. Rough sea. ship rolling deeply at times. By order of Comdg Officer Released C. C. Balty (P.M.). S. Walden (S.C.) reported the expiration of his term of service. Aneroid at end of watch 30.48. Steam 48 lbs. Revolutions 46. Patent log 95.7.

Signed

C. P. Rus.

Lieut

Meridian to 4 P.M. Cloudy and cool. Fresh breeze from S.E. W. Rough sea. At 12.28 took in spanker and changed course to N.W. W. Patent log 101.8. At 1.05 set double reefed fore topsail, and single reefed main topsail. Steam 43 lbs. Revs 46. Aneroid bar 30.47. Patent log 31 knots.

Signed.

W. M. Irwin.

Lieut

4 to 6 P.M. Clear and pleasant. Moderate breeze from S.W. Moderate sea. At 4.15 shook reefs out of topsails. Steaming under six boilers. Patent log 50. Aneroid barometer 30.52.

Signed. Hainwright Kellogg.

Lieut

6 to 8 P.M. Weather pleasant. Fresh breeze from S.E. Barometer steady. Under steam and sail. Pressure of steam 40 lbs and making 50 revolutions. Patent log 69.8 knots at end of watch. Land sighted from aloft on starboard bow at 6.30. Aneroid barometer 30.55.

Signed.

Karl Rohrer.

Lieut

8 P.M. to Midnight Weather partly cloudy and pleasant. Fresh breeze from S.E. Barometer steady. Moderate sea. Bright moonlight. Aneroid at end of watch 30.58. Steam 40. Revs 50. Patent log 106.8.

Signed.

C. P. Rus.

Lieut

Moon L. mid. Examined and found to be correct.  
Dec 11° 26' 00" N.  
Phase. First Quarter

W. H. Parker  
Lieut & Navigator.



Making passage from Mozambique to Cape Town, S. Africa

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	9 2		W N W 1/2 W	S. S. E	5		30.34	63	63	62	66	oc	Sc Cum	0	M	
2	9 4		"	"	5		30.34	63	63	62	66	"	"	0	"	
3	9 4		"	"	5		30.34	63	63	62	66	bc	"	2	"	
4	9 6		"	"	5		30.34	63	63	62	66	"	"	1	"	
5	9 4		"	"	5		30.34	63	63	62	66	"	"	1	"	Look in head sails
6	9 5		W N W 1/2 W	"	5		30.34	63	63	56	64	"	"	1	"	
7	9 6		"	"	5		30.35	63	63	56	64	"	"	2	"	Look in on. topsail
8	9 4		"	"	5		30.35	63	64	58	64	"	Sc Cum	6	"	
9	9 0		"	S. E.	5		30.35	63	64	59	64	"	Sc	9	S	Set topgall' sails
10	9 5		"	"	5		30.33	64	64	59	64	"	"	9	"	
11	9 0		"	"	5		30.32	65	65	60	64	"	"	9	"	
Noon.	13 0		"	"	5		30.31	65	66	60	64	"	"	9	"	

Distance run by Log since preceding Noon

231 knots 0 fathoms.

Latitude by D. R. at Noon

35° 07' 00" S.

Longitude by D. R. at Noon

21° 06' 00" E.

Latitude by Observations at Noon ☉

35° 09' 00" S

Longitude by Chronometer from Forenoon Observations ☉

20° 56' 00" E

Current during the time 1.0 knots — fms. per hour, setting to the

S. 85° W.

1386 Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

30° 00' 00" W

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2200 "

Coal consumed during the preceding 24 hours

15 tons 2200 lbs.

Coal remaining on hand at Noon

56 " 1758 "

P. M.																
1	9 4		W N W 1/2 W	S. E	5		30.26	67	69	62	64	bc	Sc Cum	9	S	
2	9 0		"	"	5		30.23	68	68	61	64	"	"	8	"	
3	9 0		"	"	5		30.20	68	67	61	64	"	"	7	"	
4	9 3		"	"	5		30.20	68	67	61	64	"	"	7	"	
5	9 4		W N W 1/2 W	"	5		30.18	68	65	62	64	"	"	6	"	
6	9 1		"	"	4		30.18	68	65	62	64	"	"	6	"	
7	9 4		"	"	4		30.18	68	65	62	64	"	"	4	"	
8	9 2		"	"	4		30.18	68	65	62	64	"	"	2	"	
9	9 5		"	"	5		30.17	67	65	62	63	"	Sc Cum	4	"	
10	10 0		"	"	5		30.15	67	64	62	63	"	"	8	"	
11	10 0		"	"	5		30.15	67	64	62	63	"	"	3	"	Look in topgall' sails
Mid.	5 0		W N W 1/2 W	"	6		30.13	67	64	62	63	"	"	6	"	8 fms. visible

Longitude by Chronometer from Afternoon Observations ☉

20° 49' 00" E

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>o</sup> Connick

, U. S. Navy,

Monday, November 3d

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Overcast and cloudy, greater part of watch. Fresh breeze from S. S. E. Moderate sea. Aneroid barometer 30.52. Steam 42 lbs. Revolutions 51. Patent log 43.8.

Signed.

W. M. Invern.

Lieut

4 to 8 A.M. Cloudy until 7 when weather cleared. Fresh breeze from S. S. E. Moderate sea. At 5.10 changed course to N W by W  $\frac{1}{4}$  W. Patent log 56.6. At 6 took in main top sail, and hauled down head sails. Steaming under six boilers. Patent log 81.6. Aneroid 30.53.

Signed. Mainwright Kellogg.

Lieut

8 A.M. to Meridian. Clear and pleasant weather. Fresh breeze from S. E. Barometer falling slowly. At 9.15 inspected, at quarters, and exercised at divisional drills. At 8. Crossed top gallant yards, and set the sails. By order of Comdg Officer released W<sup>m</sup> Simpson 'Ol' from confinement. Under steam and all square sail to top gallant sails except main sail. Pressure 38 lbs. making 49 revolutions. Aneroid barometer 30.45. Patent log 22 knots. Unbent stunsails and unrove stunsail gear.

Signed.

Karl Rohrer.

Lieut

Meridian to 11 P.M. Weather clear and pleasant, Fresh breeze from S. E. Barometer falling. Changed course at 12. to N W  $\frac{3}{4}$  W. At 2.28 sighted land bearing N by N  $\frac{3}{4}$  W. At end of watch Cape Agulhas bore N by E. Aneroid 30.38. Steam 40. Revolutions 147.

Signed.

C. P. Rust.

Lieut

11 to 6 P.M. Pleasant weather, Fresh breeze from S. E. Smooth sea. Mustered at quarters at 4.45. At 4.48 changed course to N W  $\frac{3}{4}$  W. Patent log 66.5 knots. Steam 39 lbs. Air 47. Aneroid barometer 30.34.

Signed.

W. M. Invern.

Lieut

6 to 8 P.M. Clear and pleasant. Fresh breeze from S. E. Smooth sea. Steaming under six boilers. At dark high land in sight on port beam, distant about 20 miles. Patent log 96.3. Aneroid 30.35.

Signed. Mainwright Kellogg.

Lieut

8 P.M. to Midnight. Clear and pleasant weather. Fresh breeze from S. E. Barometer falling slowly. At 11.30 changed course to N. N. W  $\frac{3}{4}$  W by order of Captain. Patent log 29.8 knots. Under steam and sail. At 11.45 took in top gallant sails and foresail. Pressure 41 lbs. making 49 revolutions. Aneroid barometer 30.30. Pat log 34.8.

Signed.

Karl Rohrer.

Lieut

Moon mid

Examined and found to be correct.

Dec. 14° 48' 56" N.

Phase. Full moon

W. H. Parker  
Lieut & Navigator.



Making passage from Mozambique to Cape Town, S. Africa.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	10	2	N. N. W. $\frac{3}{4}$ W.	S. E.	5		30.08	66	64	61	63	bc	cir. cum	11	M	
2	9	6	N. x E.	"	5		30.05	66	64	61	63	"	"	5	"	
3	9	0	Standing at	"	5		30.00	66	63	61	63	"	"	5	"	
1375 4	8	0	round Cape of Good Hope	"	5		29.95	64	60	58	63	"	"	8	"	
5	8	0	and into Cape Town	"	6		29.94	64	60	58	63	"	"	7	"	
6	8	0	Harbor.	"	3		29.95	65	62	60	63	"	"	7	"	
33° 54' 7	8	0		"	5-7		29.95	65	62	60		bcg	"	5	"	
8	8		Moored S	"	5-7		29.96	65	64	63		"	"	6	"	
1820 9	"		"	"	4-6		29.96	70	70	63		"	"	6	"	
10	"		"	"	4-6		29.98	70	70	64		"	"	6	"	
11	"		"	"	4-6		29.98	70	70	64		"	"	7	"	
Noon.	"		"	"	4-5		29.98	70	71	65		"	"	7	"	

Distance run by Log since preceding Noon

17.11 knots 1 fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1900 "

Coal consumed during the preceding 24 hours

12 tons 1320 lbs.

Coal remaining on hand at Noon

444 1138 "

P. M.																
Moored	S.	S.	4-5	29.98	72	74	64	bc	cir	9	S					
2	"	"	4-5	29.96	74	75	64	"	"	9	"					
3	"	"	4	29.94	74	75	64	"	"	9	"					
4	"	"	4	29.92	74	75	64	"	"	8	"					
5	"	"	4	29.92	74	75	64	"	"	7	"					
6	"	"	4	29.92	74	75	64	"	"	8	"					
7	"	"	4	29.92	74	75	64	"	"	7	"					
8	"	S x E.	S x E	4	29.92	75	72	64	"	8	"					
9	"	"	4	29.92	74	69	63	"	"	8	"					
10	"	"	3	29.95	70	69	63	"	"	9	"					
11	"	N. W.	N. W.	3	29.95	70	69	63	"	9	"					
Mid.	"	"	2	29.95	66	65	61	"	"	9	"					

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>r</sup> Conrick  
Tuesday, November 11<sup>th</sup>

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced, and until 11 A.M. Weather partly cloudy and cool. Strong breeze from S. E. Barometer falling. At 12 sighted Cape of Good Hope light bearing N. N. E. Changed course under direction of Commanding Officer by bearings of lights. Sighted Robbin Island Light at 3.30 bearing N E by E  $\frac{1}{4}$  E. and Green Point light at 3.45 bearing E  $\frac{1}{2}$  N. Aneroid at end of watch 30.18. Steam 146 lbs. Revolutions 118. Table mountain in sight to E.

Signed.

M. P. Russ.

Lieut

11 to 8 A.M. Clear and cool. Strong S. E. wind falling light, with frequent squalls latter part. Standing into Cape Town harbor under direction of Commanding Officer. At 6.50 Captain of Port came on board and at 7.15 let go the port anchor in 6  $\frac{1}{2}$  faths. water, veered 15 faths of chain, and let go the starboard anchor, veering 60 fathoms on starboard chain, and 60 more on port chain. Sent down to gallant yards, and masts. Banked fires heavy. Ship's draft, fore 13 ft. aft. 15 ft 6 in. Aneroid barometer 30.15.

Signed.

W. M. Irwin.

Lieut

8 A.M. to Meridian. Clear and pleasant with fresh squally breezes from South. Received visit from board of officers of U.S.S. "Albatross". Went out jib and flying jib and rigged in both head booms. Clear hawse. Heavy banked fires. Aneroid 30.05.

Signed.

A. J. L. T. Halpine.

Ensign

Meridian to 11 P.M. Clear and pleasant. Fresh breeze, gradually decreasing to moderate breeze from South. Banked fires. Clear hawse. Aneroid 30.05.

Signed.

Wainwright Kellogg.

Lieut

11 to 8 P.M. Clear and pleasant with moderate breeze from South. Hove up starboard anchor. Banked fires. Aneroid barometer 30.10.

Signed.

A. J. L. T. Halpine.

Ensign.

8 P.M. to Midnight. Clear and pleasant. Light variable airs. Bright moonlight. Banked fires. Aneroid 30.15.

Signed.

Wainwright Kellogg.

Lieut

Moonland  
Dec 17<sup>th</sup> 10<sup>th</sup> 19<sup>th</sup> A.  
Phase. Full moon

Examined and found to be correct.

W. T. Parker  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
			Anchored	N. W.	1		29.95	66	64	61		bc	cir	9	8	
2	"			"	1		29.95	65	63	60		"	"	9	"	
3	"			"	1		29.95	65	62	60		"	circum	8	"	
4	"			"	1		29.95	65	60	58		"	"	11	"	
5	"			"	1		29.97	65	60	58		bc md	"	0	"	
6	"			"	1		29.99	65	60	58		"	"	0	"	
			At dock	S. W.	1		29.99	65	60	58		"	"	0		
8				"	1		29.99	65	60	58		"	"	0		
9				"	1		30.00	65	62	58		"	"	0		
10				"	1		30.02	65	63	59		oc	"	0		
11				"	1		30.02	65	65	61		red	"	0		
Noon.				"	1		30.02	65	65	61		"	"	0		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

1400 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1500 "

Coal consumed during the preceding 24 hours

2 tons 1620 lbs.

Coal remaining on hand at Noon

11 " 1058 "

P. M.																
1	"			S. W.	1		30.02	65	65	62		bc m f	circum	3		
2	"			"	4-5		30.00	65	65	62		"	"	3		
3	"			N. W.	4-5		29.98	65	65	62		"	circum	3		
4	"			"	4-5		29.98	63	63	61		bc	circum	11		
5	"			"	11		29.99	64	64	60		"	"	5		
6	"			N. N. W.	3		30.00	65	64	60		"	"	5		
7	"			"	1		30.00	65	64	60		"	"	11		
8	"			"	1		30.00	65	63	60		"	"	8		
9	"			"	1		30.00	65	63	60		"	"	7		
10	"			"	1		30.00	65	61	60		"	"	8		
11	"			"	1		30.00	65	61	60		"	"	8		
Mid.	"			"	1		30.00	65	60	58		"	"	7		

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of *Commander A. H. M<sup>o</sup> Jonneck*  
*Wednesday, November 5<sup>th</sup>*

, U. S. Navy,  
, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

*Commenced and until 11 A.M. Generally clear and pleasant with light breeze from N.W. Rising barometer. At 2.6 large Australian steamer left the docks. Aneroid barometer 30.14. Banked fires.*

*Signed. W. J. Sears. Ensign*  
*11 to 8. A.M. Cloudy and misty with fine drizzling rain. At 5<sup>30</sup> got under way, went into basin and secured to pier. Started fires. Received in P.M. 172 lbs. each, of fresh beef and vegetables and 138 loaves of bread. Aneroid barometer 30.22. At 4.45 sent up top gallant masts.*

*Signed. H. J. L. F. Walpino. Ensign.*  
*8 A.M. to Meridian. Cloudy. Drizzling rain last hour of watch. Lieut M. R. S. Mackenzie was detached by order of Navy Dept. Aneroid 30.18.*

*Signed. Wainwright Kellogg. Lieut*  
*Meridian to 4 P.M. Misty foggy and squally first three hours of watch. Falling barometer. Light air to stiff breeze blowing in squalls. Aneroid 30.18.*

*Signed. W. J. Sears. Ensign*  
*11 to 8 P.M. Clear and pleasant weather. Moderate breeze from N by N first hour, hauling to N. N. W. and falling light. Barometer steady. Made fast to dock. At 4.55 received an official visit from Comdg Officer of H. S. G. M. S. Mouw. At 4.45 mustered at quarters. Aneroid barometer 30.20.*

*Signed. Karl Rohrer. Lieut*  
*8 P.M. to Midnight. Clear and pleasant with heavy dew. Light air from N. N. W. Steady barometer. By order of Commanding Officer placed the following named men who were drunk and disorderly in double irons for safe keeping. H. M. Caffrey (CAB) John Carson (108) J. M. G. G. G. (Sea) L. M. G. G. (M.S.) M. Pierce (Sea) A. Kocher (108).*

*Signed. W. J. Sears. Ensign.*

*Moon Laid* Examined and found to be correct.  
*Dec 17° 19' 38" N.*  
*Phase. Full moon.*

*W. H. Parker*  
*Lieut & Navigator.*



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			In dock	N. W.	1-2		30.00	65	64	59		oc	Cum. 8	0		
2				"	2		29.98	65	64	59		"	"	0		
3				"	2		29.96	65	59	58		"	"	0		
4				"	2		29.94	65	58	56		"	"	0		
5				N. N. E.	11		29.92	60	58	56		oc n	Cir. Cum. 8	0		
6				N.	3		29.93	60	58	56		"	"	0		
7				N. W.	3		29.94	60	58	56		"	"	0		
8				"	3		29.94	60	58	56		oc	"	0		
9				"	3		29.94	61	58	55		"	"	0		
10				"	3		29.94	61	58	55		bc	Cir cum	2		
11				"	3-11		29.98	60	58	55		bcy	"	11		
Noon.				"	3-5		30.01	60	60	55		"	"	6		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

Hoo gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1100 "

Coal consumed during the preceding 24 hours

tons Hoo lbs.

Coal remaining on hand at Noon

41 " 658 "

P. M.																	
1				N. W.	11		30.05	62	61	55		bc	cir. cum.		6		
2				"	11		30.06	61	60	54		"	"		6		
3				N. N. W.	11		30.07	61	60	54		"	"		11		
4				"	11		30.08	61	60	54		"	"		5		
5				N. W.	11		30.08	62	60	54		"	"		11		
6				"	3		30.09	61	60	54		"	"		7		
7				"	3		30.10	61	60	55		"	"		6		
8				"	3		30.10	61	60	55		"	"		7		
9				"	2		30.13	61	60	52		"	"		7		
10				"	2		30.16	60	56	51		bcd	"		8		
11				"	2		30.16	60	56	51		"	"		8		
Mid.				"	2		30.16	60	56	52		bc	"		5		

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. S. M<sup>o</sup> Conrick  
Thursday, November 6<sup>th</sup>

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Overcast cloudy and damp. Light N.W. breeze  
Aneroid barometer 30.15. Signed. R. O. Pitter. Ensign

11 to 8 A.M. Weather overcast and rainy. Light to moderate breeze from N.W.  
to N.W.E. Made preparations for coaling ship. The English mail steamer  
came in and went alongside her dock. By order of Comdg Officer released  
H. M<sup>o</sup> Caffrey (CAB) Jas. M<sup>o</sup> Quiley (Sea) M. Pierce (Sea) S. M<sup>o</sup> Gu. (Sds) and A. Cochran  
(1st Fire) from confinement. Aneroid barometer 30.15.  
8 A.M. to Meridian. Signed. Karl Kohler. Lieut

Cloudy with quite breeze from N.W. blowing in squalls last hour of  
watch. Rising barometer. By order of Comdg Officer confined the following  
men for being drunk on board ship: M. Cox. 5 days single irons. S. H. Lee  
(CN) 5 days single irons. H. M<sup>o</sup> Caffrey (CAB) drunk and disorderly 5 days single  
irons. A. H. Main (PM) drunk on board ship. 5 days double irons. J. W. McPherson  
drunk. 5 days single irons. Jas. M<sup>o</sup> Quiley (Sea) 5 days double irons for drunk  
and disorderly. M. Pierce (Sea) drunk and disorderly 5 days double irons.  
Benj<sup>o</sup> Campbell (P.M) drunk on board. 5 days double irons. Tho<sup>o</sup> Noon (Sds)  
drunk on board ship 5 days single irons. John J. Watton (Sds) drunk on board  
ship. 5 days single irons. A. Cochran (1st) drunk and disorderly 5 days  
single irons. S. M<sup>o</sup> Gu. (Sds) drunk and disorderly 5 days single irons.  
Comdg Officer left the ship to pay an official visit to the Governor, Coaling ship.  
Lincoln M<sup>o</sup> Gu (Sds) left the ship without permission. Aneroid 30.22.

Meridian to 4 P.M.

Signed.

W. J. Sears.

Ensign.

Clear and weather, Moderate breeze from N.W. to N.W.W. Barometer  
rising. Comdg Officer returned on board after making official calls on the  
Governor of Cape Colony and U.S. Consul, S. M<sup>o</sup> Gu (Sds) returned on board and  
was placed in single irons. J. F. Hedinger (Drum) absent from ship without  
permission. Coaling ship. Aired on board in Equip. Dept: 2 tins of red  
paint, each 56 lbs. 1 tin of red paint 14 lbs. 3 tins white lead, 100 lbs each. 2 tins zinc  
14 lbs each. 3 tins of black japan. 6 tins of boiled oil. 2 cases of turpentine. 2 of  
copal varnish, 3 of denmar varnish, 1 gross brass screws. 1/4", 1 of 7/8", 8 lbs brass wire  
3 lbs copper wire, 1/2 doz brass door locks. 8 lbs chrome yellow. 1 lb saw umbers  
1 of marine blue. 6 lbs of venetian red. 8 lbs patent driers. 10 galls of alcohol.

Signed.

R. O. Pitter.

Ensign

4 to 8 P.M. Partly cloudy, cold and pleasant, with moderate breeze  
from N.W. Rising barometer. Aneroid 30.34. Aired on board 1520 bags of coal.

Signed.

W. J. Sears.

Ensign.

8 P.M. to Midnight. Clear and cool with light drizzling rain during  
watch. Light N.W. breeze. By order of Comdg Officer placed S. Deisted (Sds)  
for being under the influence of liquor and resisting sentry and corporal  
of Guard. Aneroid barometer 30.36

Signed.

A. O. Pitter.

Ensign

Moon on mid Examined and found to be correct.

Dec 18° 12' 13" N.

Phase. Full moon.

W. J. Sears  
Lieut. Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			In dock	S. W	1		30.16	60	56	52		sc N	minib	0	S	
2			"	"	1		30.16	60	56	52		"	"	0	"	
3			"	N E	1		30.16	60	56	52		bc	circum	3	"	
4			"	"	1		30.16	60	56	52		"	"	2	"	
5			"	S. E	1		30.18	58	55	52		"	"	11	"	
6			"	"	1		30.20	58	55	52		"	"	5	"	
7			"	"	1		30.21	57	56	53		"	"	11	"	
8			"	N W	1		30.23	57	56	53		"	"	11	"	
9			"	"	1		30.24	57	56	53		"	"	3	"	
10			"	"	1		30.26	57	57	53		"	"	3	"	
11			"	"	1		30.27	57	59	51		bed	"	2	"	
Noon.			"	"	1		30.27	60	58	53		"	"	2	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

1100 gallons.

Water distilled during the preceding 24 hours

300 "

Water remaining on hand fit for use at Noon

1000 "

Coal consumed during the preceding 24 hours

tons 1600 lbs.

Coal remaining on hand at Noon

16 " 1298 "

P. M.																
1			"	N W	3		30.26	60	58	53		bc	circum	2	"	
2			"	"	11		30.26	60	58	53		bed	"	2	"	
3			"	"	11		30.26	60	58	53		"	"	2	"	
4			"	"	3		30.26	60	58	53		"	"	2	"	
5			"	"	2		30.27	59	58	50		bc	"	2	"	
6			"	"	2		30.27	59	58	50		"	"	6	"	
7			"	"	2		30.28	59	58	50		"	"	11	"	
8			"	"	2		30.28	59	58	50		"	"	5	"	
9			"	S. W	3		30.30	59	58	50		"	"	9	"	
10			"	"	3		30.30	59	58	50		"	"	9	"	
11			"	"	3		30.30	60	59	51		"	"	8	"	
Mid.			"	"	11		30.31	60	57	50		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude ☉ observed at Sunset

° ' "

Variation of the Compass by at

° ' "



under the command of

Commander A. H. M. Cornick

, U. S. Navy,

Friday, November 7<sup>th</sup>

, 1872.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather cloudy and drizzling. Wind variable.  
Barometer steady. Aneroid at end of watch 30.38.

Signed.

C. P. Russ.

Lieut.

11 to 1 P.M. Cool but pleasant with light breeze from East. South-East hauling to North. West last hour of watch. Raising barometer. At 6. German man of work "Mowai" hauled out from the dock and went to sea. J. F. Hedinger, (Drum) absent without leave. Aneroid 30.44. Recd 17 1/2 lbs of fresh beef and vegetables & 38 loaves of bread.

Signed.

W. J. Sears.

Ensign.

1 P.M. to Meridian. Cloudy with drizzling rain last two hours. Light N.W. breeze. At 9.30 mustered at quarters and exercised at small arms. By order of Comdg Officer released John Larson (10 Fire) from confinement. At 9.30 started fire for distilling. The terms of enlistment of Henry Hudson (cox) and Augt Puman (S. Cook) expired to day. Aneroid barometer 30.36. C. P. Thomson (OS) returned from absence without leave.

Signed.

R. O. Bitter.

Ensign.

Meridian to 4 P.M. Weather partly cloudy and cool. Moderate breeze from S.W. Barometer steady. Distilling. Aneroid 30.46.

Signed.

C. P. Russ.

Lieut.

4 to 6 P.M. Cloudy and cool. Light N.W. breeze. J. F. Hedinger (Drummer) and J. T. Buckley (10 App) returned to the ship having been absent without leave. Aneroid 30.50. Recd on board in Navigation Department 3 log lines, 1 bottle of black ink, 1 package of writing paper, in Equip. 1 roll of bellows leather.

Signed.

R. O. Bitter.

Ensign.

6 P.M. to Midnight. Clear and cool. Moderate breeze from S.W. Barometer steady. Aneroid barometer 30.54. Distilling.

Signed

C. P. Russ.

Lieut.

Moon and

Examined and found to be correct.

Dec 16° 58' 28" Alt.

Phase. Full moon.

W. Keeney

Lieut. & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			In dock	S.	11		30.32	56	56	50		bc	circum	8		
2			"	"	5		30.33	57	55	50		"	"	7		
3			"	"	11		30.32	57	55	49		"	"	8		
4			"	"	5		30.32	57	55	50		"	"	8		
5			"	"	2		30.38	58	55	49		"	"	7		
6			"	"	3		30.38	58	55	49		"	"	6		
7			"	"	3		30.38	58	55	50		"	"	6		
8			"	"	3		30.38	58	58	50		"	"	7		
9			"	"	3		30.38	58	59	51		"	"	8		
10			"	"	3		30.38	58	61	53		"	"	8		
11			"	N.E.	3		30.38	61	65	56		"	"	8		
Noon.			"	"	3		30.39	61	65	56		"	"	8		

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon ° ' "

Longitude by D. R. at Noon ° ' "

Latitude by Observations at Noon ☉ ° ' "

Longitude by Chronometer from Forenoon Observations ☉ ° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise ° ' "

Variation of the Compass by Azimuth ☉ observed at ° ' "

Water expended during the preceding 24 hours 350 gallons.

Water distilled during the preceding 24 hours 1300 "

Water remaining on hand fit for use at Noon 2650 "

Coal consumed during the preceding 24 hours 2 tons 620 lbs.

Coal remaining on hand at Noon 38 " 678 "

P. M.																
1			"	Calcut	0		30.39	63	66	57		bc	circum	8		
2			"	"	1		30.39	62	65	56		"	"	7		
3			"	"	1		30.35	62	64	56		"	"	7		
4			"	"	1		30.35	62	64	56		"	"	8		
5			"	S. S. W.	1		30.35	64	65	57		"	"	9		
6			"	"	1		30.35	65	63	55		"	cir	9		
7			"	"	1		30.35	65	62	55		"	"	9		
8			"	"	1		30.35	65	62	55		"	"	9		
9			"	"	2		30.34	64	62	54		"	circum	9		
10			"	"	3		30.32	63	60	54		"	"	8		
11			"	"	11		30.32	63	60	54		"	"	8		
Mid.			"	"	2		30.30	63	60	54		"	"	9		

Longitude by Chronometer from Afternoon Observations ☉ ° ' "

Longitude by Chronometer from Observations \* ° ' "

Variation of the Compass by Amplitude observed at Sunset ° ' "

Variation of the Compass by at ° ' "



under the command of

Commander A. H. M<sup>r</sup> Cornick

, U. S. Navy,

Saturday, November 8<sup>th</sup>, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Clear and cool. Fresh S.W. breeze. Steady barometer. Bright moonlight, Flood tide. Distilling.

Signed. W. G. Hannum. Ensign.

4 to 8 A.M. Pleasant weather. Gentle S. breeze. Henry Wilson (Ck) returned on board having been absent without leave. At 4.30, discovered that catamaran had been lowered during the night, and had disappeared. Aneroid bar. 30.56.

Signed. R. O. Bitter. Ensign.

8 A.M. to Meridian. Clear and pleasant weather. Gentle breeze from S to S by E. Barometer steady. At 9.30 mustered at quarters. By order of Comdg Officer a reward of ten dollars, each, was offered for the apprehension and delivery on board of the following named men: C. Carter (Ck) W. J. Bennett (Pfer) P. M<sup>r</sup> Kion. (Ck) Chas Carroll (Ck) W. Lake (Ck) A. W. Barclay (Os) R. Cusson (Os) P. Mahoney (Sea) C. C. Batty (Ck) J. A. Coburn (Os) J. J. Clark (Os) C. F. B. Fittol (Os) F. R. Smith (Sea) David J. Dudley (Ld) O. Smith (Ck) H. Thompson (Sea) J. P. King (Ann) A. Wilson (Ck) and R. J. M<sup>r</sup> Farlane (Sea); also twenty dollars reward for the following: viz James White (Ck) Chas A. Lindner (Os) C. P. Thomson (Os) A. E. Henry (Os) and J. F. Hedinger (Drum) Aneroid at end of watch 30.56.

Signed. C. P. Aus. Lieut.

Meridian to 4 P.M. Clear and pleasant. Gentle S.W. breeze shifting to S by E. Slight rise in barometer. Flood tide. Rec<sup>d</sup> on board in Pay Dept. 60 bags of bread, 15 bbls pork, 10 bbls beef, 15 cans tomatoes, 8 bbls flour, 8 bbls flour, beans 56 cans preserved meat, 9 cans pickles, 9 bbls of sugar, and one case of socks; in Construction Dept one topmast stunsail boom, and 125 lbs of black paint; in Navigation Department 100 galls of oil, 2 shades for running lights.

Signed. W. G. Hannum. Ensign.

4 to 8 P.M. Weather clear and pleasant. Light breeze from S. S. W. Barometer steady. Mustered at quarters at 4.45. By order of Comdg Officer paid rewards of ten dollars to police authorities for the apprehension and delivery on board of Chas Carroll (Ck) P. M<sup>r</sup> Kion. (Ck) and Andreas Bous (Painter) and placed Andreas Bous and J. F. Hedinger (Drum) in double irons until further orders. Aneroid at end of watch 30.31.

Signed. C. P. Aus. Lieut.

8 P.M. to Midnight. Clear and pleasant. Light S. S. W. breeze. Slight fall in barometer. P. Mahoney (Sea) overtime and Jas White (Ck) absent without leave were brought on board by local police. C. P. Thomson (Os) absent without leave returned to the ship. Confined P. Mahoney (Sea) in double irons for safe keeping. Aneroid barometer 30.48.

Signed. W. G. Hannum. Ensign.

Moon Lined Examined and found to be correct.

Dec 11<sup>th</sup> 31<sup>st</sup> 42<sup>nd</sup> Ch.  
Phase. Full moon

W. Keely  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			In dock	NEW	2		30.28	62	59	54		bc	circum	8		
2			"	"	2		30.27	62	58	53		"	"	9		
3			"	SW.	2		30.26	62	57	53		"	"	9		
4			"	"	2		30.24	61	57	52		"	"	9		
5			"	Var	0-1		30.22	60	57	53		"	circum	9		
6			"	"	0-1		30.23	60	58	54		"	circum	9		
7			"	NE	1		30.23	60	58	54		"	"	9		
8			"	"	1		30.23	59	60	56		"	"	9		
9			"	"	1		30.23	57	60	56		"	"	9		
10			"	"	1		30.23	57	65	60		"	"	9		
11			"	"	1		30.23	57	65	60		"	circum	8		
Noon.			"	"	1		30.20	57	66	60		"	"	8		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

900 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2850 "

Coal consumed during the preceding 24 hours

tons 1600 lbs.

Coal remaining on hand at Noon

37 " 1318 "

P. M.																
1			In dock	NE	1		30.18	67	68	60		bc	circum	7		
2			"	"	1		30.18	67	68	60		"	"	8		
3			"	"	1		30.16	67	68	60		"	"	8		
4			"	W	1		30.16	67	68	60		"	"	8		
5			"	"	1		30.14	68	67	59		"	"	8		
6			"	"	1		30.14	67	68	59		"	"	8		
7			"	"	1		30.14	68	67	59		"	"	7		
8			"	"	1		30.14	68	67	59		"	"	6		
9			"	"	1		30.14	68	63	60		"	"	7		
10			"	"	1		30.14	68	63	60		"	"	8		
11			"	"	1		30.15	68	63	60		"	"	8		
Mid.			"	"	1		30.16	66	63	61		"	"	8		

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. W. M<sup>o</sup> Conrick

, U. S. Navy,

Sunday, November 9<sup>th</sup>

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cool. Light breeze from N N W. hauling to S.W. Chas. B. Fillet (OS) was brought on board by police authorities from shore. Aneroid barometer 30.43.

Signed. W. M. Irwin.

Lieut

4 to 8 A.M. Weather clear and pleasant, gentle breeze from N W. Barometer steady. John B. Coban (OS) and J. T. Buckley (1 App) were brought on board by police authorities. Aneroid at end of watch 30.42.

Signed. L. P. Russ.

Lieut

8 A.M. to Meridian. Clear and warm, Light N. W. breeze. Barometer steady. By order of Comdg Officer confined L. A. Sindner (OS) and Jas. White (OS) and C. P. Thompson in double irons for safe keeping, they having been absent without leave. Paid a reward of \$27 for the delivery on board of Franz Hickman (OS). L. F. Schuman (Sea) A. C. Anderson (Sea) and Jas. Kelly (Sea) reported the expiration of their terms of enlistment. At 9.30 called all hands to muster, read articles of war; immediately after mustered at quarters; the following men absent without leave, W. J. Bennett (P. Sec) L. S. Dudley (L. S.) J. P. King (Arm.) R. J. M<sup>o</sup> Farland (Sea) R. E. Henry (OS) John Kennedy (2 Mach.) W. G. Tripp (OS 2 Cl) H. Hines (2 OS) J. C. Whitcomb (2 Mr.) Alex. Anton (OS) S. Karlsen (OS). Louis Diistel (OS) reported expiration of his term of enlistment. Aneroid barometer 30.35.

Signed. W. G. Hannum.

Ensign

Meridian to 4 P.M. Clear and warm, light airs from N.E. H. Hines (2 OS) Alex. Anton (OS) and S. Karlsen (OS) were brought on board by police and a reward of ten dollars, each, was paid for their delivery. Aneroid 30.29.

Signed. W. M. Irwin.

Lieut

4 to 8 P.M. Clear and pleasant. Light N.W. breeze. Steady barometer. By order of Commanding Officer confined John Kennedy (OS) in single irons having been absent without leave.

Signed. W. G. Hannum.

Ensign

8 P.M. to Midnight, Clear and cool. Light breeze from W. The police authorities brought on board the following named men who had been overtime or absent without leave, J. P. King (Arm.) J. C. Whitcomb (2 Mr.) Robt E. Henry (OS) W. G. Tripp (OS 2 Cl) L. S. Dudley (L. S.) and R. J. M<sup>o</sup> Farland (Sea). By order of Comdg Officer placed W. G. Tripp (OS 2 Cl) in single irons for safe keeping. Aneroid barometer 30.34.

Signed.

W. M. Irwin

Lieut

Moon Laid Examined and found to be correct.  
Dec 11° 24' 37" N.  
Phase. Last Quarter

W. Keegan  
Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1			At dock	S. W.	1		30.16	65	63	63		bc	cum	7		
2			"	"	2		30.15	64	63	63		bc	cum	3		
3			"	"	2		30.15	64	63	62		"	"	6		
4			"	"	1		30.15	64	63	63		bc	"	7		
5			"	"	1		30.15	64	63	59		"	"	6		
6			"	"	1		30.18	64	63	59		"	"	5		
7			"	N. W.	1		30.18	64	63	59		"	"	11		
8			"	"	2		30.20	64	63	59		"	"	5		
9			"	S. W.	2		30.22	62	61	59		"	cum	5		
10			"	"	2		30.24	63	62	60		"	"	5		
11			"	"	4		30.25	63	62	60		"	"	11		
Noon.			"	S. W.	4		30.25	63	62	62		"	"	11		

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon " " "

Longitude by D. R. at Noon " " "

Latitude by Observations at Noon ☉ " " "

Longitude by Chronometer from Forenoon Observations ☉ " " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise " " "

Variation of the Compass by Azimuth ☉ observed at " " "

Water expended during the preceding 24 hours 350 gallons.

Water during the preceding 24 hours "

Water remaining on hand fit for use at Noon 2000 "

Coal consumed during the preceding 24 hours tons 1298 lbs.

Coal remaining on hand at Noon 35 " 1760 "

P. M.																
1			At dock	S. W.	4		30.25	63	62	54		bc	cum	5		
2			Anchored S. W. + S.	"	4		30.25	64	62	54		"	"	6		
3			"	S. W. + S.	4		30.25	64	62	54		"	"	6		
4			"	"	5		30.25	64	61	53		"	"	7		
5			S	S	3-5		30.25	64	61	53		"	"	6		
6			"	"	3-5		30.25	64	61	53		"	"	6		
7			"	"	3-5		30.25	64	61	53		"	"	6		
8			"	"	3-5		30.25	64	61	53		"	"	6		
9			"	"	3-5		30.25	62	58	51		bc	fir	9		
10			"	"	4-5		30.25	61	58	51		"	"	9		
11			"	"	5-6		30.25	61	58	51		"	"	9		
Mid.			"	"	5-7		30.25	61	58	51		"	"	9		

Longitude by Chronometer from Afternoon Observations ☉ " " "

Longitude by Chronometer from Observations \* " " "

Variation of the Compass by Amplitude observed at Sunset " " "

Variation of the Compass by at " " "



under the command of

Commander A. H. M<sup>o</sup> Cornick

, U. S. Navy,

Monday, November 10<sup>th</sup>

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Fair and pleasant with light occasional rain  
A large steamer came into harbor and anchored. Aneroid barometer 30.38.

Signed. N. J. L. F. Halpine.

Ensign

11 to 8 A.M. Partly cloudy. Pleasant weather. S.W. breeze first hour shifting to  
N.W. and S.W. last hour. Rising barometer. Rec'd in Pay Dept 138 loaves of bread.  
Made preparations for receiving coal. Aneroid barometer 30.40.

Signed W. H. Hannum.

Ensign

8 A.M. to Meridian. Partly cloudy. Moderate breeze from N.W. hauling to  
S. by W. and freshening. Coaled ship taking in 30 tons. Paid the following  
wards to police authorities on shore, for arresting J. P. King. (Arm.) \$10<sup>00</sup>;  
R. E. Henry (Ol. 25<sup>th</sup>) \$10<sup>00</sup>; John C. Whitcomb (Ol. 25<sup>th</sup>) \$10<sup>00</sup>; R. J. M. Farland (Ol. 25<sup>th</sup>)  
W. G. Tripp. (Ol. 25<sup>th</sup>) \$10<sup>00</sup>; S. S. Dudley. (L.S.) \$10<sup>00</sup>. Enlisted for cruise of ves-  
sel as landsman, Philip Kipperham, and discharged, at his own request  
Kwok Ah Ewon. (N. A. C.) Rec'd on board in Pay Dept 17 tons and 2 cases of  
coffee, 8 brooms, 5 bags of rice, 11 bags of dried fruit, and 2 cases of mol-  
asses, and in Equipt Dept. 1 cord of wood. Made preparations for cast-  
ing off from dock, Aneroid bar. 30.41. Started fires in 6 boilers, at 9.25.

Signed.

W. M. Irwin.

Lieut

Meridian to 11 P.M. Fair and pleasant with moderate freshening breezes  
from N.W. and W. At 1.15 cast off from dock, and left basin, anchoring in 5  
fathoms water, outer harbor, with port anchor and 75 fathoms chain. Bearings:  
Castle S.W. Light House N.W. by N. Receiving stores in all departments. Rigged  
out head boats. Aneroid barometer 30.40. Banked fires.

Signed.

N. J. L. F. Halpine

Ensign

11 to 8 P.M. Cool; partly cloudy. Wind fresh in squalls from S.W. Bent jib  
and flying jib. Secured boats for sea. Fires banked. Aneroid barometer 30.43.

Signed.

W. M. Irwin.

Lieut

8 P.M. to Midnight. Clear and pleasant with fresh breeze to moderate gale in  
squalls. Bright starlight. Fires banked. Aneroid barometer 30.43.

Signed.

N. J. L. F. Halpine.

Ensign

Nov 12 mid.

Examined and found to be correct.

Dec 7° 46' 14" N.

Phase. Last quarter

W. Keel

Lieut & Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
	Anchored		S.	S. S. E	5-7		30.20	61	58	51		bcy	circum	8	S	
2	"		"	"	5-7		30.20	61	58	51		"	"	8	"	
3	"		"	"	5-7		30.19	61	58	51		"	"	7	"	
4	"		"	"	5-7		30.19	61	58	51		"	"	7	"	
5	"		"	"	5		30.19	61	58	51		"	"	6	"	
6	"		"	W.	3		30.19	61	58	53		bc	"	7	"	
7	5 0		N. N. W.	"	2		30.19	61	58	53	58	"	"	8	Nb	Made sail to topsails. Took in
8	7 0		"	N S W	3		30.20	61	58	53	58	"	"	8	"	main topsail. Set fore and
9	8 0		"	"	3		30.20	60	58	54	58	"	"	7	"	off sails except spanker
10	6 1		"	S. W.	3		30.20	60	58	54	58	"	"	7	"	last topgall & royals
11	8 5		"	"	3		30.19	60	59	56	58	"	"	7	"	
Noon.	9 0		"	"	3		30.19	61	59	56	58	"	"	7	"	

Distance run by Log since preceding Noon

43 knots 6 <sup>lengths</sup> fathoms

Latitude by D. R. at Noon

33° 23' 18"

Longitude by D. R. at Noon

17° 41' "

Latitude by Observations at Noon ☉

33° 22' 15"

Longitude by Chronometer from Forenoon Observations ☉

- ° - ' - "

1385

Current during the time knots fms. per hour, setting to the

00 00

Variation of the Compass by Amplitude ☉ observed at Sunrise

0 - ' - "

Variation of the Compass by Azimuth ☉ observed at

0 - ' - "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1700 "

Coal consumed during the preceding 24 hours

7 tons 770 lbs.

Coal remaining on hand at Noon

168 " 990 "

P. M.																
1	8 5		N. N. W.	S W x S	5		30.19	62	61	56	60	bc	in stral	8	S	
2	9 0		"	"	5		30.19	62	62	57	60	"	"	8	"	
3	9 5		"	"	5		30.19	62	62	57	60	"	Cir 2, Cum stral	7	"	
4	7 0		"	S W.	5		30.18	62	63	58	61	"	"	6	"	
5	3 0		"	"	5		30.18	62	63	58	61	"	"	5	"	
6	8 0		"	S W x S.	5		30.18	62	63	58	61	"	circum	7	"	
7	8 0		"	"	5		30.14	62	62	58	61	"	"	6	"	
8	8 8		"	"	5		30.14	62	62	58	61	"	"	5	"	
9	9 0		"	S. S. W.	5		30.17	64	62	59	61	"	"	6	"	
10	9 0		"	"	5		30.17	62	62	59	61	"	"	8	"	
11	9 0		"	"	5		30.17	62	62	59	61	"	"	7	"	
Mid.	9 0		"	"	5		30.15	62	62	59	61	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

0 ' "

Longitude by Chronometer from Observations \*

0 ' "

Variation of the Compass by Amplitude observed at Sunset

0 ' "

Variation of the Compass by

at

0 ' "



under the command of

Commander A. W. M<sup>o</sup> Conrick

, U. S. Navy,

Tuesday, November 11<sup>th</sup>

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Weather clear and squally. Breeze stiff in squalls from S. S. E. Barometer steady. Fires banked under six boilers. Aneroid barometer 30.46. (Signed) Karl Rohrer. Lieut

11 to 8 A.M. Clear and pleasant. Fresh breeze from S. S. E. hauling to N. and falling light, then to N. N. W. and slightly freshening. Moderate sea. At 11.40 called all hands and hoisted port anchor; at 6.15 started ahead 1 bell, under direction of Comdg Officer; rung 11 bells at 5.25 and crossed light yards. At 5.35 made sail to topsails. At 6.10 took in main topsail. At 6.15 took departure; Robbins Light bearing S. 8 E. distant 3 miles. shaped course N. N. W. and put over patent log registering 87 1/4 knots. Steam 40 lbs. Rev 45. Patent log 99.3. By order of Comdg Officer the following punishments were assigned; in each case, absence without leave. J. T. Buckley (1 Cl. App) 5 days solitary confinement on bread and water. Andreas Bond (Painter) 3 days confinement in double irons. C. P. Thomson (Os) desirated to 1 Cl. App. James White (Os) 10 days confinement in double irons from 9<sup>th</sup> inst. J. Kennedy (3 Cl. M) desirated to 3 Cl. M. Mackinest N. G. Tripp (Os 2 Cl) desirated to 1 Cl. App. C. J. M<sup>o</sup> Farland (Sea) desirated to 1 Cl. App. R. E. Henry (Os) desirated to 1 Cl. App. Chas. A. Lindner (Os) desirated to 1 Cl. App; also J. F. Hedinger (Drum) to await trial by Court martial for same offence and Louis Distel (Drum) 10 days confinement in double irons for being drunk and disorderly. (Signed) W. M. Irwin. Lieut

8 A.M. to Meridian. Clear and pleasant. Gentle N. and S. W. breeze. Steady barometer. Moderate sea. At 9.15 inspected at quarters. By order of Comdg Officer confined J. T. Buckley (1 Cl. App) in solitary confinement for 5 days on bread and water for absence without leave. Made plain sail to royals, except main sail, and spanker. Drove off stunsail gear. Steam 40 lbs. Rev 45. Aneroid bar. 30.42. Patent log 31 knots. (Signed) W. S. Harman. Ensign.

Meridian to 4 P.M. Clear and pleasant weather. Fresh breeze from S. W. by N. to S. W. Barometer steady. Under steam and sail, pressure 40 lbs. rev 46. At 3.30 took in all sail and commenced swinging ship. Aneroid barometer 30.38. Patent log 65.1 knots. (Signed) Karl Rohrer. Lieut

4 to 6 P.M. Clear and fresh. At 4.40 finished swinging ship and stood on course N. N. W. under steam and sail to royals with main topsail, except main sail, and spanker. At 5.20 stopped steaming and uncoupled propeller. Unbent cables and got anchors on bows. At end of watch patent log registered 77 knots. Aneroid barometer 30.38. Held evening quarters. Vessel on course, at end of watch heading N. N. W. Light banked fires. (Signed) H. J. L. Halpine. Ensign

6 to 8 P.M. Weather clear and pleasant. Strong breeze from S. W. by S. Barometer steady. Set fore topmast stunsail at 6.20. Fires banked. Aneroid at end of watch 30.38. (Signed) C. P. Aus. Lieut

8 P.M. to Midnight. Clear and pleasant. Fresh breeze from S. S. W. Moderate sea. Barometer steady. Aneroid barometer 30.38. Patent log 30.1 knots. (Signed) W. M. Irwin. Lieut

Moon L. mid.  
Dec 3. 118° 38" Ch.  
Phase. Last Quarter

Examined and found to be correct.

W. Keeney  
Lieut & Navigator.



Making passage from Cape Town S. Africa to New York. U. S. of A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	10	11	A. A. W.	S. S. W.	6		30.15	62	62	59	60	bc	cum 8	7	S	Plain sail except
2	9	11	"	"	5		30.14	62	62	59	60	"	"	5	"	Spunkies with fore top
3	9	2	"	"	5		30.13	62	61	58	60	"	circum	7	"	stunsails
4	9	0	"	"	5		30.12	62	61	58	60	"	"	8	"	
5	9	0	"	S. W. x S.	6		30.12	62	61	58	60	"	circum	8	M	
6	9	0	"	"	6		30.12	62	61	58	60	"	"	8	"	
7	8	5	"	"	6		30.12	62	61	58	60	"	circum	8	"	
8	8	5	"	"	5		30.14	62	61	58	60	"	"	9	"	
9	8	0	"	"	5		30.13	63	61	58	60	"	circum	8	"	
10	7	5	"	"	5		30.11	63	62	59	62	"	"	8	"	
11	7	6	"	"	5		30.16	64	63	60	62	"	circ	9	"	Set top gall stunsails
Noon.	9	2	"	"	5		30.16	64	63	60	63	"	"	9	"	

Distance run by Log since preceding Noon

201 knots 3 fathoms

Latitude by D. R. at Noon

31° 12' 18"

Longitude by D. R. at Noon

14° 20' 00"

Latitude by Observations at Noon ☉

31° 02' 18"

Longitude by Chronometer from Forenoon Observations ☉

14° 11' 00"

1384 Current during the time 2.6 knots — fms. per hour, setting to the N. A. W.

Variation of the Compass by Amplitude ☉ observed at Sunrise

28° 10' "

Variation of the Compass by Azimuth ☉ observed at 8. A. M.

18° 10' "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1400 "

Coal consumed during the preceding 24 hours

5 tons 1185 lbs.

Coal remaining on hand at Noon

162 " 2046 "

P. M.																
1	7	0	A. A. W.	S.	5		30.12	65	66	62	65	bc	circum	6	M	Set forenoon stunsail
2	7	0	"	"	11		30.09	66	65	61	65	"	"	11	"	Set in main top sail
3	7	11	"	S. S. W.	11		30.09	65	63	60	65	"	"	6	"	Set main top sail
4	7	11	"	"	11		30.09	65	63	60	65	"	"	6	"	
5	8	0	"	"	11		30.09	65	64	61	65	"	"	8	S	
6	8	0	"	"	11		30.09	65	64	61	65	"	"	8	"	
7	8	0	"	"	11		30.09	65	63	60	64	"	circum	8	"	
8	7	11	"	"	11		30.09	65	63	60	64	"	"	8	"	
9	7	0	"	S. x W.	11		30.10	65	63	61	64	bc	"	10	"	
10	7	5	"	"	11		30.10	65	63	61	64	"	"	10	"	
11	7	5	"	"	11		30.11	65	63	61	64	"	"	10	"	
Mid.	7	5	"	"	11		30.11	65	63	61	64	"	"	10	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>r</sup> Cornick

, U. S. Navy,

Wednesday, November 12<sup>th</sup>

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and cool. Damp. Fresh S S W breeze. Falling barometer. Moon rose at 2. Patent log 68. Aneroid bar 30.34. Fires banked.

Signed, W. G. Hannum.

Ensign

11 to 8 A.M. Weather clear and pleasant. Fresh breeze from S W by S. Barometer rising. Moderate sea. Fires banked under six boilers. Aneroid barometer 30.38.

Signed, Karl Rohrer.

Lieut

8 A.M. to Meridian. Clear and pleasant weather. Fresh breeze from S W by S. Barometer rising. Moderate following sea. At 9.15 mustered at quarters and instructed divisions theoretically. At 10. set top gallant stunsails. Fires banked. Patent log at end of watch 35.6. Aneroid barometer 30.36.

Signed, A. J. L. F. Halpin.

Ensign

Meridian to 11 P.M. Weather clear and pleasant. Moderate breeze from South to S. S. W. Barometer steady. At 12.25 set port lower stunsail. At 2.30 hauled fires. At 2.35 set main topsail. Aneroid at end of watch 30.30.

Signed,

C. P. Russ.

Lieut

11 to 6 P.M. Pleasant weather. Moderate breeze from S. S. W. Bent mainsail set it with one reef and furled main topsail. Aneroid barometer 30.31.

Signed, W. M. Irwin.

Lieut

6 to 8 P.M. Clear and cool. Moderate S. S. W. breeze. Steady barometer. Vessel on course N. N. W. Patent log 97.7 miles. Aneroid barometer 30.32.

Signed, W. G. Hannum.

Ensign

8 P.M. to Midnight, Clear and pleasant weather. Moderate breeze from S by W. Barometer steady. Smooth sea. Bright starlight. Patent log at end of watch 27.9 knots. Aneroid barometer 30.33.

Signed,

Karl Rohrer.

Lieut

Moon L. mid

Examined and found to be correct.

Dec 0° 15' 07" S.

Phase, Last Quarter

M. Keen

Lieut & Navigator.



Making passage from Cape Town, S. Africa to New York, U. S. of A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop. of Clear sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
<sup>5</sup> <del>30-30</del>	1	6 0	A. & W.	S. & W.	11		30.12	65	62	60	61	bcu	circum	7	M	Alleguano sail with
<sup>8</sup> <del>12-43</del>	2	5 11	"	"	11		30.12	65	62	60	61	"	"	7	"	single reef in mainsail
	3	5 0	"	"	11		30.10	64	62	59	61	"	"	6	"	all port & starboard sails
	4	11 11	"	"	11		30.10	64	62	59	61	"	"	6	"	
	5	11 0	"	S. S. W.	3		30.10	64	63	60	61	bc	"	3	S	
	6	11 5	"	"	3		30.10	64	63	60	61	"	"	11	"	
<sup>8</sup> <del>24-58</del>	7	5 0	"	"	3		30.10	64	62	60	61	"	"	11	"	
<sup>8</sup> <del>12-11</del>	8	5 0	"	"	3		30.10	64	63	60	61	"	"	14	"	
	9	5 2	"	S. & W.	3		30.10	64	63	60	61	"	"	5	"	
	10	5 2	"	"	3		30.10	64	63	60	61	"	"	6	"	
	11	6 0	"	"	3		30.10	65	63	60	61	"	"	11	"	
Noon.	6 0	"	"	"	3		30.10	66	65	61	61	"	"	5	"	

Distance run by Log since preceding Noon

157 knots 11 fathoms

Latitude by D. R. at Noon

29° 22' "

Longitude by D. R. at Noon

11° 52' "

Latitude by Observations at Noon ☉

29° 19' "

Longitude by Chronometer from Forenoon Observations ☉

11° 40' "

Current during the time 12 knots — fms. per hour, setting to the N. N. W.

Variation of the Compass by Amplitude ☉ observed at Sunrise

26° 30' "

1357 Variation of the Compass by Azimuth ☉ observed at

26° 30' "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1100 "

Coal consumed during the preceding 24 hours

tons 400 lbs.

Coal remaining on hand at Noon

162 " 1646 "

P. M.																	
1	4 0		A. & W.	S. & W.	3		30.10	67	66	62	61	bcu	circum		5	S	
2	3 9		"	S.	2		30.10	67	66	62	61	"	"		3	"	
3	3 3		"	"	2		30.08	68	67	62	61	"	"		2	"	
4	3 0		"	"	2		30.08	68	67	62	61	"	"		1	"	
5	6 5		"	N.	3		30.09	68	65	60	61	bc	"		0	"	
6	8 0		"	"	3		30.11	68	64	60	61	"	"		0	"	
7	8 11		"	"	3		30.13	65	62	59	61	bcu	"		0	"	
8	8 8		"	N. & S.	3		30.13	65	62	59	61	"	"		0	"	
9	9 0		"	"	3		30.13	65	62	59	61	bc	"		0	"	
10	8 7		"	"	3		30.13	65	62	59	61	"	"		0	"	
11	8 0		"	"	3		30.13	65	62	59	61	"	"		0	"	
Mid.	8 0		"	"	3		30.12	65	62	59	61	"	"		0	"	

Longitude by Chronometer from Afternoon Observations ☉

"

Longitude by Chronometer from Observations

\*

"

Variation of the Compass by Amplitude observed at Sunset

"

Variation of the Compass by

at

"



under the command of

Commander A. H. M<sup>r</sup> Connick

, U. S. Navy,

Thursday, November 13

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and to 11 A.M. Generally cloudy with moderate falling breeze from Sd and Hd. Vessel on course N. N. W. throughout watch. Rolling duely at intervals to moderate quartering sea. Aneroid barometer 30.30. Patent log 49.1

Signed, A. J. Halpin. Ensign

11 to 1 P.M. Weather clear and pleasant. Gentle breeze from S. S. W. Barometer steady. Aneroid at end of watch 30.32. Patent log 58.5

Signed, C. P. Rees. Lieut

1 P.M. to Meridian. Cloudy and pleasant, Gentle breeze from S by W. At 9.15 mustered at quarters and exercised 1st and 3d divisions at single sticks, 2d and marines at company drill, and powder division with revolvers. At 10.2 Summary Court-Martial of which Lieut W. Kellogg, was senior member, convened for the trial of J. F. Hedinger, Drummer, U. S. M. C. and adjourned at 11. Aneroid bar. 30.29.

Signed, W. M. Irwin. Lieut

Meridian to 11 P.M. Pleasant weather, Light S by W and S by breeze. At 3 started fire under six boilers, at 3.50 shortened and fired sail. Aneroid barometer 30.28. Patent log 74 miles.

Signed, W. G. Hannum. Ensign

11 to 6 P.M. Cloudy but pleasant. Under steam and fore and aft sail. Steam press 45 lbs and making 43 revolutions. At 4.30 called all hands to muster and read proceedings and findings of Summary Court-Martial in the case of J. F. Hedinger, Drummer, U. S. M. C. charged with absence without leave; found guilty; sentenced to solitary confinement in double irons for thirty days on bread and water with full rations every third day. The findings and sentence were approved by the Commanding Officer but on the recommendation of the surgeon, that the carrying out of the sentence would be injurious to the health of the prisoner, he remitted the sentence and restored the prisoner to duty. Patent log 59.9 knots. Aneroid barometer 30.31.

Signed, Karl Rohrer. Lieut

6 to 8 P.M. Clear and damp. At 7.08 set topsail. Vessel on course throughout watch under steam and sail, heading N. N. W. 1/4 N. Aneroid barometer 30.34. Patent log 77. Steam 46. Revs. 46.5. Moderate sea.

Signed, A. J. Halpin. Ensign

8 P.M. to Midnight, Weather overcast and damp. Gentle breeze from W by S. Barometer steady. Aneroid at end of watch 30.33. Steam 46. Revs 46. Patent log 85.

Signed, C. P. Rees. Lieut

Moon, mid

Examined and found to be correct.

Dec 14. 13 23. S.

Phase, Last Quarter

W. Kellogg  
Lieut & Navigator.



## LOG of the UNITED STATES

Steamer "Essex"

On Rate, 6 Guns,

Making passage from Cape Town, S. Africa to New York, U. S. of A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8 0		N. N. W. 1/4 N.	SW	1		30.11	65	63	60	61	bcm	cum & cir cum	2	S	
2	8 11		"	SW	2		30.12	65	63	60	61	ocum	"	0	"	Look in spanties
3	8 11		"	"	2		30.12	65	63	60	61	"	"	0	"	
4	8 5		"	"	2		30.11	65	63	60	61	"	"	0	"	
5	7 0		"	"	2		30.11	65	63	58	61	ocum h	"	0	"	
6	6 0		"	W	2		30.11	65	63	58	61	"	"	0	"	
7	8 0		"	"	2		30.11	65	63	58	61	"	"	0	"	
8	7 0		"	N. W.	3		30.11	64	63	58	61	bc	cum & cir cum	1	"	Set foresail
9	8 0		"	W	3		30.11	63	62	57	61	"	"	6	"	
10	8 0		"	"	3		30.16	63	63	58	61	"	"	7	"	Look in foresail
11	7 5		"	"	3		30.18	64	63	58	61	"	"	11	"	
Noon.	8 5		"	"	3		30.19	64	63	58	61	"	"	3	"	Set foresail

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

1356

Current during the time  $\frac{1}{2}$  knots - fms. per hour, setting to the S. S. E.

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

Water

during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

173 knots 9 tenths fathoms.

27° 34' "

9° 08' "

27° 34' "

9° 10' "

26° 00' "

300 gallons.

800 "

13 tons 2096 lbs.

148 " 1790 "

P. M.																
1	7 8		N. N. W. 1/4 N.	W	3		30.19	64	63	58	61	bc	cir cum	5	S	
2	7 11		"	"	3		30.19	64	63	58	61	"	"	3	"	
3	4 0		"	"	3		30.19	64	63	58	61	"	cum & cir cum	2	"	Made plain sail
4	4 5		"	N. W.	3		30.16	64	63	58	61	"	"	2	"	
5	5 6		"	"	3		30.16	65	63	59	61	"	"	2	"	Set port & main sails except lower
6	5 0		"	"	3		30.18	65	63	59	61	"	"	3	"	
7	1 5		"	"	2		30.20	65	63	59	61	"	"	1	"	
8	1 5		"	"	1		30.18	65	63	59	61	oc	"	0	"	Look in spanties
9	2 8		"	S. W. x W.	2		30.19	65	63	58	61	"	"	0	"	
10	2 5		"	"	2		30.19	65	63	58	61	"	"	0	"	
11	2 0		"	"	2		30.19	65	63	58	61	bc	"	1	"	
Mid.	2 0		"	S. S. E.	2		30.19	65	63	57	61	"	"	1	"	Look in main & top sail

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander A. H. M<sup>o</sup> Conrick  
Friday, November 11<sup>th</sup>

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Overcast cloudy and hazy. Light airs from S by N. hauling to N.W. At 12.05 took in all sail, furlled the square sails. Steam 37. Revs 112. Aneroid barometer 30.31. Patent log 45.

Signed.

W. M. Jewin.

Lieut

4 to 8 A.M. Cloudy, cool. Clearing last hour. Rising barometer. Light N.W. breeze. Set fore and aft sail. Av revs 39.5. Av steam 40 lbs. Aneroid barometer 30.36. Patent log 72.7.

Signed

W. G. Hammum.

Ensign.

8 A.M. to Meridian. Pleasant weather. Gentle breeze from N.W. Parabolic rising. Under steam and fore and aft sail. Pressure 40 lbs, 41 revolutions. At 9.15 beat to general quarters and exercised. By order of Comdg Officer released Andreas Bous. Painter from confinement. At 10.30 started fires under two boilers for distilling and commenced distilling at 11.30. Tho<sup>s</sup> Examiner (C. M.) and W<sup>m</sup> M<sup>o</sup> Mully (Sea) reported expiration of their terms of enlistment. Aneroid barometer 30.36. Patent log 105 knots.

Signed

Karl Aohrer.

Lieut

Meridian to 11 P.M. Generally cloudy and pleasant. At 2.15 stopped steaming, uncoupled propellers and made sail to royals except main sail and spanker. Hauled fires under steaming boilers. Vessel on course throughout watch heading N. N.W. 1/4 N. Aneroid barometer 30.34. Patent log 81. Av steam 39 lbs. Revs 112. Distilling.

Signed.

A. J. L. F. Halpine.

Ensign.

4 to 6 P.M. Weather clear and pleasant. Gentle breeze from N.W. Barometer steady. At 4.10 set topmast and topgallant stunsails. At 4.45 mustered at quarters. Exercised at fire quarters at 4.50. Aneroid at end of watch 30.36. Patent log 141.5. Distilling.

Signed

C. P. Cus.

Lieut

6 to 8 P.M. Cloudy, overcast last hour. Light airs from N.W. Smooth sea. Distilling. At 7.05 took in spanker. Aneroid bar 30.38. Patent log 144.8.

Signed.

W. M. Jewin.

Lieut

8 P.M. to Midnight. Cloudy. Light breeze varying in direction from S.W. to S.S.E. Barometer steady. Patent log 160 miles. Aneroid barometer 30.40.

Signed.

W. G. Hammum.

Ensign

Moon. mid  
Dec 7° 56' 55" S.  
Phase. Last Quarter.

Examined and found to be correct.

W. Keen  
Lieut & Navigator.



making passage from Cape Town, S. Africa, to New York, U.S. of A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	20		N. N. W. 1/4 N.	S.	1		30.18	65	63	57	63	sc	Cum. 8	0	8	
2	15		"	"	1		30.17	65	63	57	63	"	"	0	"	
3	15		"	"	1		30.15	65	63	58	63	"	"	0	"	
4	25		"	"	2		30.15	65	63	58	63	"	"	0	"	
5	35		"	S. x W.	2		30.17	65	63	58	63	scd	"	0	"	
6	38		"	S. S. W.	2		30.17	65	63	58	63	sc	"	0	"	
7	45		"	N. S. W.	3		30.18	65	63	58	63	"	"	0	"	Look in all sail except foresail and head sail.
8	45		"	"	3		30.19	65	63	58	63	"	"	0	"	Set & haul in main topsail.
9	40		"	W.	3		30.20	64	62	57	63	"	"	0	"	Look in foresail & main topsail.
10	76		"	"	1-2		30.20	65	62	57	63	"	"	0	"	
11	74		"	"	1-2		30.22	65	62	60	63	"	"	0	"	
Noon.	80		"	"	1		30.22	65	63	60	63	"	"	0	"	

Distance run by Log since preceding Noon

101 knots 11 fathoms.

Latitude by D. R. at Noon

26° 25' 15"

Longitude by D. R. at Noon

7° 36' 00"

Latitude by Observations at Noon ☉

26° 24' 00"

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time / knots fms. per hour, setting to the South

1356 Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

27° - ' "

Water expended during the preceding 24 hours

300 gallons.

Water distilled during the preceding 24 hours

2500 "

Water remaining on hand fit for use at Noon

3000 "

Coal consumed during the preceding 24 hours

6 tons 98 lbs.

Coal remaining on hand at Noon

142 " 1692 "

P. M.	Knots.	Fathoms.	Courses steered.	WINDS.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	50		N. N. W. 1/4 N.	W.	2		30.21	66	65	61	65	bc	Cum. 8	2	8	Set foresail & main topsail
2	75		"	N. S. W.	2		30.20	65	64	59	65	"	"	2	"	
3	75		"	"	3		30.20	65	64	59	65	"	"	3	"	made all square sail
4	80		"	"	3		30.19	66	64	59	65	"	"	3	"	triple except main sail
5	75		"	"	3		30.19	66	64	59	65	"	"	3	"	
6	75		"	"	3		30.19	66	64	59	65	"	"	3	"	
7	80		"	N. x S.	3		30.19	66	63	58	65	"	Cum. 8	8	"	
8	85		"	"	3		30.19	66	63	58	65	"	Cir	9	"	
9	80		"	"	3		30.20	66	63	58	65	"	"	9	"	
10	80		"	"	3		30.22	65	62	58	65	"	"	9	"	
11	82		"	"	3		30.24	64	63	59	65	"	"	9	"	
Mid.	84		"	"	3		30.24	64	63	59	66	"	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of *Commander A. H. M<sup>c</sup> Cormick*  
*Saturday, November 15<sup>th</sup>*

, U. S. Navy,  
, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Weather pleasant and cloudy. Light breeze from South. Barometer falling slowly. Distilling water. Aneroid barometer 30.33. Pat. log 63.

Signed

*Karl Rohrer.*

Lieut

4 to 8 A.M. Cloudy but pleasant with light variable breezes. At 4.85 lighted fires under four boilers. At 7.15 furled sail and started ahead under steam, fore and aft sail and foresail. Vessel on her course N. N. W.  $\frac{1}{4}$  W. throughout watch. Finished distilling. Aneroid barometer 30.39. Patent log 81 knots.

Signed

*A. J. L. E. Halpine.*

Ensign

8 A.M. to Meridian. Weather cloudy and pleasant. Light breeze from W. Barometer steady. Took in foresail and main topsail at 9.15. Aneroid at end of watch 30.38. Steam 38. Revs. 40. Patent log 13.

Signed

*G. P. Rus.*

Lieut

Meridian to 4 P.M. Pleasant weather. Gentle breeze from West, hauling to N. S. W. and freshening. At 12.20 changed course to N. N. W. Patent log 16. Set main topsail and sprinker at 3.00. Set all square sail but mainsail. Steam 36 lbs. Revs. 40. Aneroid barometer 30.34. Patent log 45.

Signed

*W. H. Irvine.*

Lieut

4 to 6 P.M. Cloudy. Pleasant. Gentle N. S. W. breeze. Steady barometer. Patent log 60 miles. At steam 35. Revs 40. Aneroid 30.34. At 4.45 mustered at quarters.

Signed

*W. G. Hannum.*

Lieut

6 to 8 P.M. Weather clear and pleasant. Barometer steady. Gentle breeze from W by S. Under steam and sail; pressure of steam 36 lbs. and making 44 revolutions. Patent log at end of watch 78 knots. Aneroid barometer 30.37.

Signed

*Karl Rohrer.*

Lieut

8 P.M. to Midnight, Clear and pleasant with gentle breeze from W by S. Vessel on course throughout watch heading N N W. under steam and sail. Bright starlight. Smooth sea. At steam 34 lbs. At Revs. 41. Aneroid barometer 30.39. Pat. log 112 knots.

Signed

*A. J. L. E. Halpine.*

Ensign

Moon Laid Examined and found to be correct.  
Dec 11° 17' 22" S.  
Phase, Last Quarter.

*M. Keegan*  
Lieut & Navigator.



Making passage from Cape Town, S. Africa to New York. U. S. of A.

Hour.	Knots.	Fathoms.	Course steered.	WIND.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Force of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M																
1	7 11		A. A. W.	W. S. W.	3		30.22	65	63	60	65	bc	circum	8		All sail except mainsail
2	8 2		"	"	3		30.20	64	63	60	65	"	"	8	"	
3	7 0		"	"	3		30.20	64	63	60	65	"	"	7	"	
<sup>3</sup> <sup>25° 00'</sup> 4	8 0		"	"	3		30.20	64	63	60	65	"	"	6	"	
<sup>6</sup> <sup>5° 48'</sup> 5	7 8		"	"	2		30.20	64	63	60	65	"	"	5	"	
6	7 8		"	S. S. W.	2		30.20	64	63	60	65	"	"	4	"	Took in spanker
<sup>13 29</sup> <sup>24° 35'</sup> 7	7 8		"	"	2		30.21	64	63	60	65	"	Clear & Circum	2	"	
<sup>8</sup> <sup>5° 21'</sup> 8	7 6		"	"	2		30.21	64	64	61	64	"	"	1	"	
9	7 0		"	S. S. E.	2		30.25	66	66	63	64	"	"	1	"	
<sup>3</sup> <sup>24° 24'</sup> 10	7 5		"	"	2		30.26	67	67	63	64	oc	Clear & Circum	0	"	
<sup>8</sup> <sup>50°</sup> 11	7 5		"	S. E.	2		30.27	67	67	63	66	ocp.	"	0	"	Took in main top sail, fly.
Noon.	9 0		"	"	2		30.28	68	67	64	66	bc	Clear & Circum	1	"	jib and fore top stay sail

Distance run by Log since preceding Noon

189 knots 2 fathoms

Latitude by D. R. at Noon

24° 16' 00"

Longitude by D. R. at Noon

44° 56' "

Latitude by Observations at Noon ☉

— " — " "

Longitude by Chronometer from Forenoon Observations ☉

44° 51' "

1328 Current during the time 0 knots ~ fms. per hour, setting to the West

Variation of the Compass by Amplitude ☉ observed at Sunrise

0 " "

Variation of the Compass by Azimuth ☉ observed at

26° 00' "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2650 "

Coal consumed during the preceding 24 hours

10 tons 2200 lbs.

Coal remaining on hand at Noon

131 " 1732 "

P. M.																	
1	7 0		A. A. W.	S. S. E.	3		30.24	67	67	64	66	bc	Clear & Circum	11			
2	7 0		"	"	3		30.24	67	67	63	66	"	"	5			
3	7 0		"	"	1		30.22	67	69	64	66	"	Clear & Circum	7			Took in all sail
4	6 5		"	"	1		30.22	67	69	64	66	"	"	7			
5	8 11		"	S. W.	1		30.22	68	69	64	66	"	"	11			
6	8 8		"	S. S. W.	2		30.22	68	68	63	66	"	"	5			
7	9 0		"	S. S. E.	3		30.24	69	69	64	66	"	"	5			Small square sail except mainsail
8	9 11		"	"	3		30.25	69	68	63	65	"	"	11			
9	9 0		"	S. E.	3		30.27	69	68	63	65	oc	Clear & Circum	0			
10	9 2		"	S. S. E.	3		30.28	69	68	63	65	"	"	0			
11	8 8		"	"	3		30.28	69	68	63	65	"	"	0			
Mid.	9 0		"	"	3		30.28	68	67	63	65	"	"	0			

Longitude by Chronometer from Afternoon Observations ☉

— " — " "

Longitude by Chronometer from Observations \*

— " — " "

Variation of the Compass by Amplitude observed at Sunset

— " — " "

Variation of the Compass by

at

— " — " "



under the command of

Commander A. B. M<sup>r</sup> Conrick  
Sunday, November 16<sup>th</sup>

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 4 A.M. Weather clear and pleasant. Gentle breeze from N. S. W. Barometer steady. Aneroid at end of watch 30.38. Steam 35. Rws 41. Pat. log 146.

Signed.

C. P. Rux.

Lieut

4 to 8 A.M. Cloudy and cool. Light breeze from N. S. W. hauling to S. S. W. Smooth sea. Took in spanker at 5.30. Steam 35 lbs. Rws 40. Aneroid bar. 30.43. Patent log 77.5.

Signed.

W. M. Inwin.

Lieut

8 A.M. to Meridian. Cloudy. Pleasant. Light S. S. W. breeze, shifting to S. E. Rising barometer. At 9.15 Comdg Officer inspected ship and crew at quarters. Released from coast Louis Distel (D.M.) and John T. Buckley, 1 capp. J. P. King (Arm) and J. C. Whitcomb (D.M.) reported the expiration of their enlistment. Patent log 10.9 knots. Steam 36 lbs. Rws 39. Aneroid barometer 30.42.

Signed.

W. C. Hamum.

Ensign

Meridian to 4 P.M. Weather clear and pleasant. Light to gentle breeze from S. S. E. Barometer falling. At 2.10 started two fires under two additional boilers, and the wind falling very light took in and furled sail. Steam press. 37 lbs, and making 39 revolutions. Patent log 38.5 knots. Aneroid barometer 30.36.

Signed.

Karl Rohrer.

Lieut

4 to 6 P.M. Clear and pleasant weather. Light breeze from S. W. to S. S. W. Barometer steady. At 4 connected Nos 2 and 11 boilers to main steaming boilers. Steam pressure 40 lbs, 46 revolutions. Aneroid at end of watch 30.36. Patent log 56 knots. Set fore sail.

Signed.

A. J. L. T. Halpine.

Ensign

6 to 8 P.M. Weather partly cloudy and pleasant. Gentle breeze from S. S. E. Barometer rising. Set all square sail except mainsail at 6.45. Aneroid at end of watch 30.38. Steam 45. Rws 50. Patent log 75.

Signed.

C. P. Rux.

Lieut

8 P.M. to Midnight. Overcast and cloudy. Gentle breeze from S. by E. to S. S. E. Smooth sea. Steam 38. Rws 47. Aneroid bar. 30.40. Patent log 111.

Signed.

W. M. Inwin.

Lieut

Moon and

Examined and found to be correct.

Dec 14° 07' 07" S.

Phase, Last Quarter.

W. Keeney  
Lieut & Navigator.



Making passage from Cape Town S. Africa to New York, U.S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	9 5		N. A. W.	S. S. E.	3		30.25	68	66	63	65	ocd	cum & cir cum	0	8	Square sail is up
2	9 5		"	S. S. E.	3		30.25	68	66	63	65	"	"	0	"	mainsail
3	9 0		"	"	3		30.25	67	66	63	65	bc	"	2	"	
4	9 0		"	"	3		30.25	67	66	63	65	"	"	2	"	
5	8 5		"	"	2		30.25	67	66	63	65	"	"	2	"	
6	8 0		"	"	2		30.24	66	66	63	65	"	"	11	"	
7	8 5		"	"	2		30.25	66	66	63	65	"	cum & cir cum	2	"	
8	8 5		"	N. A. E.	1		30.26	66	66	63	66	"	"	2	"	Look in all square sail
9	8 11		"	"	1		30.26	66	66	64	66	bcp	"	2	"	set jib
10	8 11		"	"	1		30.27	66	66	64	66	bc	"	3	"	
11	8 11		"	"	1		30.27	67	68	64	66	"	cir cum & strat	3	"	Made all square sail to work
Noon.	8 2		"	S. S. E.	2		30.27	67	68	64	66	"	cum & cir cum	3	"	except mainsail

Distance run by Log since preceding Noon

203 knots 0 fathoms.

Latitude by D. R. at Noon

21° 55' "

Longitude by D. R. at Noon

2° 02' "

Latitude by Observations at Noon ☉

22° 07' 30"

Longitude by Chronometer from Forenoon Observations ☉

1° 59' 00"

Current during the time 8 knots — fms. per hour, setting to the S. S. W.

1528.

Variation of the Compass by Amplitude ☉ observed at Sunrise

0° 00' "

Variation of the Compass by Azimuth ☉ observed at

26° 00' "

Water expended during the preceding 24 hours

1400 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

5250 "

Coal consumed during the preceding 24 hours

15 tons 200 lbs.

Coal remaining on hand at Noon

116 " 1532 "

P. M.																	
1	8 0		N. A. W.	S. S. E.	2		30.25	67	69	66	66	bcp.	cir. cum. & strat.	3	8		
2	8 0		"	"	2		30.23	68	69	66	66	"	"	1	"		
3	8 11		"	"	2		30.22	69	69	66	66	"	"	1	"		
4	8 2		"	"	2		30.22	69	69	66	67	"	"	2	"		
5	8 6		"	"	2		30.22	69	69	66	67	"	"	2	"		
6	8 11		"	"	2		30.22	69	67	64	67	"	"	1	"		
7	9 0		"	"	2		30.22	69	67	64	67	ocd	"	0	"		
8	9 0		"	"	2		30.22	69	67	64	67	"	"	0	"		
9	8 5		"	S. S. E.	2		30.21	69	67	64	67	ocp.	"	0	"		
10	9 0		"	"	2		30.21	69	67	64	67	ocd	"	0	"		
11	9 0		"	"	2		30.21	69	67	64	67	"	"	0	"		
Mid.	9 0		"	S. S. E.	3		30.21	68	67	64	67	bc	"	1	"		

Longitude by Chronometer from Afternoon Observations ☉

0° 00' "

Longitude by Chronometer from Observations \*

0° 00' "

Variation of the Compass by Amplitude observed at Sunset

0° 00' "

Variation of the Compass by

at

0° 00' "



under the command of

Commander A. H. M<sup>d</sup> Connelley

, U. S. Navy,

Monday, November 17<sup>th</sup>

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Cloudy, Pleasant weather. Gentle S S E, and E S E breeze. Steady barometer. At steam 39 lbs. Revs 48. Patent log 48.0 knots. Aneroid barometer 30.37.

Signed.

W. G. Hamnum.

Ensign

11 to 1 P.M. Pleasant weather. Shift to light breeze from E S E. to N N E. Barometer rising. Under steam, press. 42 lbs. 46 revolutions. Aneroid at end of watch 30.42. Patent log 83 knots. At 2.40 took in all square sail and set jib.

Signed

Karl Rohrer.

Lieut

2 A.M. to Meridian. Cloudy, warm and pleasant with light showers first hour. At 9.15 inspected at quarters, exercised all divisions in infantry and had battalion formation. Set all square sail except mainsail. Richard Spur Sailors reported the expiration of his term of enlistment. Aneroid barometer 30.40. Patent log 120. Steam 44. Revs 46.

Signed.

A. J. L. J. Walpino.

Ensign

Meridian to 11 P.M. Weather cloudy and pleasant, Gentle breeze from S E by E. Barometer falling. Light passing showers. Aneroid at end of watch 30.34. Steam 40 lbs. Revs 47. Patent log 56.

Signed.

C. P. Aus.

Lieut

11 to 6 P.M. Overcast and cloudy. Light breeze from S E by S. Smooth sea, Mustered at quarters at 1.45 after which exercised at sail drill. Steam 43 lbs. Revs 48.7. Aneroid barometer 30.38.

Signed.

W. M. Irwin.

Lieut

6 to 8 P.M. Cloudy. Pleasant. Occasional light drizzle. Light variable breeze, generally from S E and E. Barometer steady. Patent log 93 miles. Aneroid 30.38. At steam 42 lbs. Revs 48.

Signed.

W. G. Hamnum.

Ensign

8 P.M. to Midnight. Weather overcast cloudy and damp. Light to gentle breeze from S S E to E S E. Barometer steady. Under steam and sail, pressure 43 lbs. and making 48 revs. Patent log 30 knots. Aneroid barometer 30.40.

Signed.

Karl Rohrer.

Lieut

Moon L. mid. Examined and found to be correct.

Dec 16° 18' 45" S.

Phase, New moon.

W. Keeney  
Lieut & Navigator.



Making passage from Cape Town, S. Africa to New York, U.S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8 8		N N W	E S E	3		30.25	67	66	64	67	bc	air cum 3 cum	6	8	all square sail set
2	9 0		"	"	3		30.25	67	66	64	67	"	"	7	"	main sail
3	9 2		"	"	3		30.24	67	66	64	67	bc	air cum 3 cum	6	"	
4	9 6		"	"	3		30.24	67	66	64	67	"	"	2	"	
5	9 0		"	"	3		30.22	66	65	63	67	"	"	2	"	
6	8 11		"	"	3		30.22	66	65	63	67	bed	"	1	"	
7	9 0		"	"	3		30.22	66	65	63	67	"	"	3	"	
8	8 6		"	"	3		30.22	66	65	63	67	bc	"	3	"	
9	8 11		"	S E x E	3		30.23	67	66	64	67	bed	"	0	"	
10	8 8		"	"	3		30.24	67	66	64	67	bc	air cum 11	"	"	
11	9 2		"	"	3		30.24	67	66	64	67	"	"	11	"	
Noon.	11 0		"	"	3		30.25	67	68	64	67	"	"	14	"	

Distance run by Log since preceding Noon

202 knots' fathoms.

Latitude by D. R. at Noon

19° 39' "

Longitude by D. R. at Noon

° 59' "

Latitude by Observations at Noon ⊙

19° 43' 30"

Longitude by Chronometer from Forenoon Observations ⊙

° 58' 30"

Current during the time 3 knots — fms. per hour, setting to the

South

Variation of the Compass by Amplitude ⊙ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ⊙ observed at 11 P.M.

26° ' "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1900 "

Coal consumed during the preceding 24 hours

16 tons 60 lbs.

Coal remaining on hand at Noon

100 " 1472 "

P. M.																
1	9 0		N. N. W	S E x E.	3		30.24	68	68	64	67	bc	air cum 2	8		
2	8 0		"	"	3		30.24	68	68	64	67	"	air cum 1	"		
3	8 0		"	"	3		30.24	68	68	64	67	"	"	1	"	
4	8 0		"	E S E.	3		30.23	68	68	64	67	"	"	1	"	
5	8 0		"	"	3		30.23	68	68	64	67	"	air cum 2	"		
6	8 0		"	"	3		30.23	70	68	65	67	"	"	2	"	
7	8 0		"	"	3		30.24	70	68	65	67	"	"	1	"	
8	8 0		"	"	3		30.25	70	68	65	67	"	"	2	"	
9	8 0		"	S E.	3		30.24	69	67	63	67	"	"	1	"	
10	8 0		"	"	3		30.24	69	67	63	67	"	"	2	"	
11	7 8		"	"	3		30.24	69	67	61	67	"	"	2	"	
Mid.	8 0		"	"	3		30.23	69	67	64	67	"	"	2	"	

Longitude by Chronometer from Afternoon Observations ⊙

° ' "

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of *Commander A. H. M<sup>c</sup> Connick*  
*Tuesday, November 18<sup>th</sup>*

, U. S. Navy,  
, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Fair and pleasant, with gentle variable breeze from E. S. E. to S. S. W. Vessel on course throughout watch under steam and sail. Light passing showers third hour. Aneroid barometer 30.46. Patent log 67. Steam 46. Revolutions 47.

Signed. *A. J. L. E. Halpine.* Ensign  
4 to 8 A.M. Weather cloudy and pleasant, gentle breeze from E. S. E. Light passing showers. Barometer steady. Aneroid at end of watch 30.40. Steam 36. Revs. 36. Patent log 103.8.

Signed. *C. P. Rus.* Lieut  
8 A.M. to Meridian Cloudy with light drizzling rain first hour. Moderate breeze from S. S. E. Smooth sea. Went to quarters at 9.15 and exercised at great guns after which called away all boats armed and equipped for distant service. Secured at 9.35. Steam 42 lbs. Revolutions 48. Aneroid barometer 30.41. Patent log 42.5. By order of Commanding Officer placed *F. H. Bashforth* (Seaman) in solitary confinement for five days for using vulgar and abusive language to the orderly on post.

Signed. *W. M. Irwin.* Lieut  
Meridian to 4 P.M. Cloudy. Pleasant, gentle S. E.; E. and E. S. E. breeze. Slight fall in barometer. At 12.30 put over this patent log registering 7.42 miles. At steam 45 lbs. At revs 45. Aneroid barometer 30.35. Patent log at end of watch 38 miles.

Signed. *W. L. Hannum.* Ensign.  
4 to 6 P.M. Pleasant weather. Gentle breeze from E. S. E. Barometer steady. Smooth sea. At 4.45 mustered at quarters, after which exercised at shifting topsails. Under steam and sail. Steam pressure 43 lbs. Revs 44. Patent log at end of watch 54.9 knots. Aneroid barometer 30.34.

Signed. *Karl Rohrer.* Lieut  
6 to 8 P.M. Cloudy and pleasant with gentle breeze from E. S. E. Vessel on her course throughout watch under steam and sail heading N. N. W. Aneroid barometer 30.34. Patent log 70.5. Steam 46. Revs 46.

Signed. *A. J. L. E. Halpine.* Ensign  
8 P.M. to Midnight: Weather cloudy and pleasant. Gentle breeze from S. E. Barometer steady. Aneroid at end of watch 30.34. Steam 46. Revs 46. Patent log 101.4.

Signed. *C. P. Rus.* Lieut

Moon Loid Examined and found to be correct.  
Dec 17° 46' 39" S.  
Phase. New moon.

*W. Keel*  
Lieut & Navigator.



## LOG of the UNITED STATES

Steamer "Essex"

3d Rate, 6

Guns,

Making passage from Cape Town, S. Africa to New York, U.S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	7 6		Cr. H.	S. E.	2		30.19	69	68	64	67	bc	cir cum	11	S	By sail except on main sail
2	7 11		"	"	3		30.19	69	68	64	67	"	"	5	"	
3	7 8		"	"	2		30.17	69	68	64	67	"	"	3	"	
4	7 6		"	"	2		30.17	69	68	64	67	"	"	3	"	
5	7 8		"	"	2		30.16	69	68	64	67	"	"	1	"	
6	7 5		"	"	2		30.16	69	68	64	67	"	"	2	"	
7	8 0		"	"	2		30.16	69	68	64	67	"	"	2	"	
8	8 0		"	"	2-3		30.17	69	68	64	67	"	"	1	"	
9	8 5		"	S. E.	11		30.20	67	68	64	67	"	"	2	"	
10	8 0		"	"	11		30.20	69	69	65	67	"	"	2	"	
11	8 0		"	"	11		30.20	69	69	65	67	"	"	3	"	
Noon.	9 0		"	"	11		30.20	69	69	65	67	"	"	2	"	

Distance run by Log since preceding Noon

191 knots 8 fathoms.

Latitude by D. R. at Noon

17° 33' 20" S

Longitude by D. R. at Noon

13° 28' 30" W

Latitude by Observations at Noon ☉

17° 31' 00" S

Longitude by Chronometer from Forenoon Observations ☉

13° 28' 30"

Current during the time 5 knots — fms. per hour, setting to the N by S

642 Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at 11 P. M.

25° 40' "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1550 "

Coal consumed during the preceding 24 hours

11 tons 1560 lbs.

Coal remaining on hand at Noon

88 " 2152 "

P. M.																
1	8 0		A. & H.	S. E.	11		30.20	69	70	66	69	bc	cir cum	2	S	
2	8 0		"	"	11		30.19	70	70	66	69	"	"	1	"	
3	8 0		"	"	11		30.17	70	70	65	69	"	cir cum	11	"	
4	11 0		"	"	11		30.15	70	69	65	69	"	"	3	"	Look in all sail
5	6 0		"	"	11		30.15	70	69	65	69	"	"	11	"	
6	8 0		"	"	3		30.15	70	69	65	69	"	"	5	"	
7	8 0		"	"	3		30.15	70	69	65	69	"	"	6	"	
8	8 0		"	"	3		30.15	70	69	65	69	"	"	6	"	
9	8 0		A. & H. 1/2 H.	"	3		30.18	70	67	64	67	"	"	7	"	
10	7 8		"	"	3		30.19	70	67	64	67	"	"	7	"	
11	7 5		"	"	3		30.20	70	67	64	67	"	"	7	"	
Mid.	8 0		"	"	3		30.20	70	67	64	67	"	"	6	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>r</sup> Cornick

, U. S. Navy,

Wednesday, November 19<sup>th</sup>

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Partly cloudy, cool. Gentle breeze from S.E. Smooth sea. Steam 110 lbs. Revs 41.2. Aneroid bar. 30.30. Patent log 32.7.

Signed.

W. M. Irwin.

Lieut

11 to 8 A.M. Cloudy. Pleasant weather. Light S.E. breeze. Steady barometer. Steam 112 lbs. Revs 41. Patent log 65.1. Aneroid barometer 30.35.

Signed.

W. G. Hammum.

Ensign.

8 A.M. to Meridian. Weather pleasant. Moderate breeze from S.E. Barometer steady. At 9.15 mustered and inspected at quarters afterwards exercised signal class. Under steam and sail. Steam pressure 112 lbs, making 39 revolutions. Patent log at end of watch 97.3 knots. Aneroid barometer 30.32.

Signed.

Karl Rohrer.

Lieut

Meridian to 11 P.M. Generally cloudy but pleasant with slowly rising barometer and moderate breeze from S.E. Bent bower chain. At 3.30 took in all sail and commenced swinging ship. Hauled in patent log registering 25.3. Steam 38. Revs. 40. Aneroid barometer 30.26.

Signed.

A. J. S. Holpiner.

Ensign.

11 to 6 P.M. Weather clear and pleasant. Gentle breeze from S.E. Barometer steady. At 4.20 finished swinging ship, made sail and stood on course N. N. W. (pc.) Mustered at quarters at 4.45. Shifted topsails at 4.50. Aneroid at end of watch 30.29. Steam 110. Revs 43. Patent log 39.8.

Signed.

C. P. Rus.

Lieut

6 to 8 P.M. Pleasant weather. Gentle breeze from S.E. Smooth sea. Barometer steady. Steam 112 lbs. Revs. 42. Aneroid bar. 30.32. Patent log 56.5.

Signed.

W. M. Irwin.

Lieut

8 P.M. to Midnight. Generally clear and pleasant. Gentle S.E. breeze. Slight rise in barometer. At 8 changed course to N by N. W. Steam 113 lbs. Revs. 39. Patent log 87.9. Aneroid barometer 30.33.

Signed.

W. G. Hammum.

Ensign.

Moon on

Examined and found to be correct.

Dec 18° 27' 05" S.

Phase. New moon.

M. Keegan  
Lieut & Navigator.



Making passage from Cape Town, S. Africa to New York, U.S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8 0		N. N. W. by N.	E. S. E.	14		30.18	69	67	64	67	bc	cum. 8	3	S	By sail except on main sail
2	8 0		"	"	14		30.16	69	67	64	67	"	"	1	"	
3	8 0		"	"	14		30.15	69	67	64	67	"	"	2	"	
4	7 5		"	"	14		30.14	69	67	64	67	oc	"	0	"	
5	7 5		"	"	14		30.14	69	67	64	67	"	"	0	"	
6	8 0		N. N. W. by N.	E	14		30.14	69	67	64	67	bc	dis cum	2	"	
7	4 0		N. W.	"	14		30.15	69	67	64	67	"	"	2	"	
8	4 0		Standing in for anchor	"	14		30.15	69	67	64	67	"	"	2	"	Look in sail
9			Anchored	"	3		30.15	69	67	64	67	"	"	3	"	
10			S. S. E.	S. E.	3-14		30.17	70	70	64		"	"	2	"	
11			"	"	3-14		30.17	70	70	64		ocd	cum 8	0	"	
Noon.			"	"	3-14		30.17	71	70	65		"	"	0	"	

Distance run by Log since preceding Noon

149 knots 8 fathoms

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon

" " "

Longitude by Chronometer from Forenoon Observations

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude observed at Sunrise

" " "

Variation of the Compass by Azimuth observed at

" " "

Water expended during the preceding 24 hours

gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

"

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P. M.																
	Anchored	S. S. E.	S. S. E.	3	30.14	71	70	65	bc	cum 8	2	S				
2	"	"	"	3-5	30.14	71	70	65	ocdg	"	0	"				
3	"	"	"	3-5	30.14	71	70	65	bcg	"	3	"				
4	"	S. E.	S.	3-14	30.12	71	70	65	"	"	1	"				
5	"	"	E. S. E.	3	30.12	71	70	65	bc	"	3	"				
6	"	"	"	2	30.12	71	70	65	"	"	1	"				
7	"	"	"	2	30.14	71	69	65	"	"	1	"				
8	"	"	"	3	30.16	71	69	64	"	"	2	"				
9	"	"	"	3	30.16	72	69	64	"	"	2	"				
10	"	"	"	3	30.16	72	69	64	"	"	1	"				
11	"	"	"	3	30.16	72	69	64	"	"	2	"				
Mid.	"	"	"	3	30.16	72	69	64	"	"	2	"				

Longitude by Chronometer from Afternoon Observations

" " "

Longitude by Chronometer from Observations

\*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. M<sup>r</sup> Cornick  
Thursday, November 20<sup>th</sup>

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A. M. Pleasant weather. Moderate breeze from E. S. E. Barometer falling. Under steam and sail. Steam pressure 39 lbs. and making 40 revolutions. At 3.10 hauled up foresail, and furled top gallant sails, and royals. Aneroid, at end of watch 30.28. Patent log 18.5 knots.

Signed.

Karl Rohrer.

Lieut

11 to 8 A. M. Cloudy and damp with moderate breezes from E. S. E. went ahead full speed. At 5.10 set foresail, top gallant sails, and royals. At 5.20 changed course to N. N. W. 1/4 W. At 5.25 made Island of St Helena on port bow, distant about 15 miles. Remainder of watch standing in for, and around St Helena to anchorage. At 7.15 shortened, and furled all sail, and hauled in patent log. At steam At revs.

Signed.

A. J. L. F. Halpine. Ensign.

8 A. M. to Meridian. Weather cloudy and pleasant, with light drizzling showers. Barometer rising. Stood around island under direction of Commanding Officer and at 8.41 came to anchor in the roadstead of St Helena in 21 fathoms water, and veered to 60 fathoms port chain. Draft of water 15' 3" fore, 15' 8" aft. Bearings from anchorage: - Sugar Loaf Pt E by N 1/2 E. Church spire South (pc) Ship's head S S W (pc) A. M<sup>r</sup> Cornick (C. O. M<sup>r</sup>) and John Doyle (S. E. L.) reported the expiration of their enlistments. Mustered at quarters at 9.30, and exercised the divisions, and marine guard, at Company drill. Sent an officer to communicate with the American Consul. The Commanding Officer left the ship at 10.40 to make official visits. Banked fires. Aneroid, at end of watch 30.29.

Signed.

A. P. Russ.

Lieut

Meridian to 11 P. M. Cloudy with light drizzling rain, at intervals. Wind light with frequent squalls from E. S. E. to South. Continued coaling. Received an official visit from the Governor's Aide de Camp. Aneroid bar. 30.24

Signed.

W. M. Irvine.

Lieut

11 to 8 P. M. Cloudy. Gentle E. S. E. breeze, with occasional gusts. Slight rise in barometer. Stopped coaling for the day at 6.00, having received 149 tons. Aneroid barometer 30.28.

Signed.

W. G. Hannum.

Ensign

8 P. M. to Midnight. Cloudy and pleasant. At 8.05 transferred fires under condensing boiler, and at 9.15 commenced distilling. Aneroid bar 30.29. Fires banked.

Signed.

A. J. L. F. Halpine.

Ensign

Moon Lend Examined and found to be correct.  
Dec 18° 18' 36" S.  
Phase New moon.

M. K. K. Navigator.



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
Anchored			S. E. x S	S. E. x S	2		30.14	70	68	64		bed	cum. 3 cumbs	2	S	
2	"		"	S. E.	2-11		30.12	70	68	64		bed	"	2	"	
3	"		"	"	2-11		30.10	70	67	64		"	"	2	"	
4	"		"	"	2-11		30.10	69	67	64		"	"	2	"	
5	"		"	S. E.	3		30.10	69	67	64		bed	"	2	"	
6	"		S. E.	"	3-11		30.12	69	67	64		"	cum. 3 cumbs	11	"	
7	"		"	"	3-11		30.11	69	67	64		bc	"	3	"	
8	"		"	"	3-11		30.15	69	68	64		"	"	3	"	
9	"		"	"	3		30.15	69	68	64		bed	"	2	"	
10	"		"	"	3-11		30.16	70	68	64		"	cum. 3 cumbs	3	"	
11	"		S. E.	S. E.	3		30.16	70	68	64		"	"	2	"	
Noon.	"		"	"	3-11		30.16	70	68	64		"	"	3	"	

Distance run by Log since preceding Noon knots fathoms.

Latitude by D. R. at Noon " " "

Longitude by D. R. at Noon " " "

Latitude by Observations at Noon " " "

Longitude by Chronometer from Forenoon Observations " " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude " observed at Sunrise " " "

Variation of the Compass by Azimuth " observed at " " "

Water expended during the preceding 24 hours 350 gallons.

Water distilled during the preceding 24 hours 1500 "

Water remaining on hand fit for use at Noon 2300 "

Coal consumed during the preceding 24 hours tons lbs.

Coal remaining on hand at Noon " "

P. M.																
Anchored			S. E.	S. E.	3		30.15	72	70	65		bc	air cum	3	S	
2	"		"	"	3		30.13	72	70	65		"	"	11	"	
3	"		"	"	3		30.11	72	70	65		"	"	2	"	
4	"		"	"	3		30.11	72	70	65		"	"	2	"	
5	"		"	"	3		30.11	72	70	65		"	"	3	"	
6	"		"	"	3		30.11	70	70	65		"	"	3	"	
7	"		S	S.	3		30.11	70	69	65		"	"	3	"	
8	"		"	"	3		30.12	70	68	63		"	"	1	"	
9	"		"	"	3		30.13	70	68	63		"	"	3	"	
10	"		"	"	3		30.13	70	68	63		"	"	2	"	
11	"		S	S. E.	3		30.13	70	68	63		"	"	11	"	
Mid.	"		"	"	3		30.13	70	68	63		"	"	3	"	

Longitude by Chronometer from Afternoon Observations " " "

Longitude by Chronometer from Observations \* " " "

Variation of the Compass by Amplitude observed at Sunset " " "

Variation of the Compass by at " " "



under the command of *Commander A. H. M<sup>o</sup> Conrick*

, U. S. Navy,

*Friday, November 21<sup>st</sup>*

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

*Commences and until 11 A.M. Cloudy and pleasant. Light breeze from E S E. Barometer falling. Distilling. Aneroid 30.24*

*Signed.*

*C. P. Russ.*

*Lieut.*

*11 to 8 A.M. Cloudy with drizzling rain, greater part of watch. Moderate breeze with occasional light squalls from S. E. Continued coaling ship. Distilling.*

*Signed.*

*W. M. Irwin.*

*Lieut.*

*8 A.M. to Meridian. Cloudy, pleasant weather. Occasional light gusts with drizzling rain and mist. Slight rise in barometer. Finished coaling having received 70 tons on board. John M<sup>o</sup> Mullin, (108.) W<sup>o</sup> H. Crawford, (208.) and Matthew Reilly, (108.) reported expiration of terms of enlistment. Aneroid barometer 30.28. Distilling.*

*Signed.*

*W. L. Hannum.*

*Ensign*

*Meridian to 11 P.M. Pleasant weather. Gentle breeze from E S E. Barometer falling. Distilling. Fires banked. Aneroid barometer 30.28.*

*Signed.*

*Karl Rohrer.*

*Lieut.*

*11 to 8 P.M. Cloudy and pleasant with gentle breezes from E S E. At 11.45 mustered crew at quarters. At 7.30 finished distilling and hauled fires under Nos. 1 and 3 boilers. Made preparations for sea. Aneroid 30.28.*

*Signed.*

*A. J. L. J. Halpine.*

*Ensign*

*8 P.M. to Midnight. Cloudy and cool. Moderate breeze from East, hauling to S. E. and freshening; squally last hour. Brought to the port chain and at 11.50 called "All hands up, anchor." Aneroid barometer 30.30*

*Signed.*

*W. M. Irwin.*

*Lieut.*

*Moon L. mid* Examined and found to be correct.  
*Dec 17° 28' 08" S.*  
*Phase New moon.*

*M. Keegan*  
*Lieut. Navigator.*



Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
			Underway	S E	11		30.11	69	68	61	61	bc	Cir Cum	3	S	Made plain sail to my
2	5	0	A W + A	"	3		30.12	69	68	61	67	"	"	3	"	Set both stunsails except
3	6	0	"	"	3		30.11	69	68	61	68	"	"	4	"	lower. Set jib and main
4	4	5	"	"	3		30.12	69	68	61	68	"	"	6	"	trysail
5	4	0	"	"	2		30.10	69	67	61	68	"	"	3	"	Look in main trysail
6	5	0	"	"	3		30.10	69	67	61	67	"	"	2	"	
7	5	0	"	"	3		30.10	69	67	61	68	"	"	2	"	
8	4	0	"	"	3		30.10	68	67	64	68	"	"	1	"	
9	6	5	"	S E	11		30.12	69	68	66	68	"	"	2	"	Set both lower stunsails
10	6	6	"	"	11		30.11	69	69	66	68	"	"	3	"	
11	6	8	"	"	11		30.16	70	69	66	68	"	"	5	"	Look in port lower stunsail
Noon.	5	8	"	"	11		30.16	70	70	67	69	"	"	11	"	

Distance run by Log since preceding Noon

59 knots 2 fathoms

Latitude by D. R. at Noon

15° 26' 00" S

Longitude by D. R. at Noon

6° 36' 30" W.

Latitude by Observations at Noon ☉

- - - - -

Longitude by Chronometer from Forenoon Observations ☉

6° 46' 30" W.

Current during the time 10 knots 0 fms. per hour, setting to the West

Variation of the Compass by Amplitude ☉ observed at Sunrise

- - - - -

641 Variation of the Compass by Azimuth ☉ observed at 8 A.M.

25° 30' 00"

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

700 "

Water remaining on hand fit for use at Noon

2700 "

Coal consumed during the preceding 24 hours

3 tons 980 lbs.

Coal remaining on hand at Noon

1142 " 192 "

P. M.																
1	6	2	A W + A	S E	11		30.16	70	70	67	69	bc	Cir Cum	11	S	
2	5	8	"	"	11		30.16	70	70	67	69	"	"	3	"	Set back of main sail
3	5	5	"	"	11		30.15	70	70	67	69	"	"	2	"	Look in jib
4	6	0	"	"	11		30.11	70	70	67	69	"	"	1	"	
5	5	5	"	"	11		30.15	71	70	67	69	"	"	2	"	Hauled up back of main sail
6	5	0	"	"	3		30.15	72	71	67	69	ocd	Cir Cum	0	"	
7	5	0	"	"	3		30.16	72	71	67	69	oc	"	0	"	
8	5	0	"	"	3		30.17	72	71	67	69	bc	"	8	"	
9	5	5	"	S E	11		30.18	72	69	67	69	bc	Cir Cum	3	"	
10	5	5	"	"	11		30.19	71	68	66	68	bc	"	3	"	
11	5	5	"	"	11		30.19	71	68	66	68	"	"	2	"	
Mid.	6	0	"	"	11		30.19	71	69	67	68	"	"	2	"	

Longitude by Chronometer from Afternoon Observations ☉

- - - - -

Longitude by Chronometer from Observations \*

- - - - -

Variation of the Compass by Amplitude observed at Sunset

- - - - -

Variation of the Compass by

at

- - - - -



under the command of

Commander A. H. M<sup>r</sup> Cornick  
Saturday, November 22d

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Partly cloudy. Pleasant. Gentle S. E. breeze. Slight fall in barometer. At 12.06 called all hands up anchor; got underway and at 1.00 took departure. Ladder Hill Flagstaff bearing S. S. W (true) distant 14 miles. Set course N. W by W. Patent log registering 47 miles. Made plain sail to royals. At 2.40 stopped engine and uncoupled propellers. Hauled fire. Draft of ship, fore 13' 10", aft 15' 10". Patent log 63 miles. Aneroid barometer 30.25.

Signed.

W. G. Hannum. Ensign.

4 to 8 A.M. Pleasant weather. Light to moderate breeze from S. E. Barometer steady. Patent log at end of watch 81.2 knots. Aneroid barometer 30.30.

Signed.

Karl Rohrer.

Lieut.

8 A.M. to Meridian. Fair and pleasant with slowly rising barometer and moderate breeze from E. S. E. Set lower stunsail, got anchors on bows, unbent cables and sent them below. Peter Divany (D.D.) reports expiration of his term of enlistment. Vessel on her course throughout watch heading N. W by W. Aneroid barometer 30.09. Patent log 107.

Signed.

W. J. L. T. Halpin. Ensign.

Meridian to 4 P.M. Weather cloudy and pleasant. Moderate breeze from E. S. E. Barometer falling. At 1.45 bent and set the clew of mainsail. Aneroid 30.27. Patent log 30.

Signed.

A. P. Rice.

Ensign.

4 to 6 P.M. Cloudy with light drizzling rain last hour. Gentle breeze from E. S. E. At 4.35 hauled up the clew of mainsail. Mustered at quarters at 4.45. Aneroid barometer 30.29.

Signed.

W. M. Irwin.

Lieut.

6 to 8 P.M. Cloudy. Pleasant. Gentle S. S. E. breeze. Slight rise in barometer. Patent log 51. Aneroid barometer 30.30.

Signed.

W. G. Hannum.

Ensign.

8 P.M. to Midnight. Pleasant weather. Moderate breeze from S. E. by E. Barometer steady. Smooth sea. Under sail. Aneroid barometer 30.32. Patent log 73.5 knots.

Signed.

Karl Rohrer.

Lieut.

Moon L. mid  
Dec. 15° 39' 15" S.  
Phase. New moon

Examined and found to be correct.

W. Keegan  
Lieut. Navigator.



Making passage from St Helena to New York U.S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	6 2		NW & N	SE & E	11		30.111	70	69	67	68	bc	circum	3	S	all square sail on the sail
2	6 0		"	"	11		30.111	70	69	67	68	"	"	2	"	All stbd stunsails
3	5 0		"	"	11		30.13	70	69	67	68	"	"	2	"	Look in stbd stunsails
4	5 0		"	"	11		30.13	70	69	67	68	"	"	5	"	
5	5 5		"	"	11		30.12	70	69	67	68	"	"	4	"	
6	6 2		"	"	11		30.111	70	69	67	68	"	"	2	"	Set all stbd stunsails
7	6 8		"	"	11		30.16	70	69	68	68	"	"	3	"	
8	6 0		"	"	11		30.16	70	69	68	68	"	"	6	"	Set port on top gall stunsails
9	5 11		"	"	11		30.111	70	68	65	69	"	"	2	"	
10	6 0		"	"	11		30.111	70	68	65	70	"	"	2	"	
11	6 2		"	"	11		30.111	70	68	65	70	"	"	3	"	
Noon.	8 5		"	"	11		30.111	71	69	65	70	"	"	4	"	

Distance run by Log since preceding Noon

139 knots 3 fathoms

Latitude by D. R. at Noon

14° 15' 00" S

Longitude by D. R. at Noon

8° 48' 00" W

Latitude by Observations at Noon ☉

14° 15' 00" S

Longitude by Chronometer from Forenoon Observations ☉

8° 59' 00" W

Current during the time .. knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

28° 34' 00" W

Water expended during the preceding 24 hours

320 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2380 "

Coal consumed during the preceding 24 hours

3 tons 980 lbs.

Coal remaining on hand at Noon

142 " 192 "

P. M.																
1	6 0		NW & N	SE & E	11		30.111	71	71	67	70	bc	circum	11	S	
2	6 0		"	"	11		30.13	72	71	67	70	bc	"	3	"	
3	6 5		"	"	11		30.12	72	71	67	70	bc	"	4	"	
4	6 5		"	"	11		30.12	72	71	67	70	"	"	2	"	
5	6 0		"	SE & S	5		30.12	72	71	67	70	"	circum	3	"	
6	6 0		"	"	5		30.13	72	71	67	70	"	"	3	"	
7	6 5		"	SE & E	11		30.13	72	71	67	70	bc	"	11	"	
8	6 0		"	"	11		30.13	70	71	67	70	bc	"	2	"	
9	6 2		"	"	11		30.13	70	71	67	70	bc	"	2	"	
10	5 11		"	"	11		30.15	70	69	67	70	"	"	3	"	
11	6 0		"	"	11		30.15	70	69	67	70	"	"	11	"	
Mid.	5 5		"	"	11		30.14	69	68	67	70	"	"	3	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations

\*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>o</sup> Annick  
Sunday, November 23<sup>d</sup>

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Fair and pleasant with moderate breezes from S<sup>W</sup> and E<sup>W</sup>. At 3 took in starboard stunsails to sudden shift of wind to S<sup>W</sup> and E<sup>W</sup>. Last hour of watch wind unsettled in direction from S<sup>W</sup> E to S by E. Vessel on her course throughout watch heading N<sup>W</sup> by N. Aneroid barometer 30.32. Patent log 96 knots.

Signed.

A. J. L. J. Halpin. Ensign

11 to 8 A.M. Weather partly cloudy and pleasant. Moderate breeze from S<sup>W</sup> E by E. Aneroid rising. Set all starboard stunsails at 5.25. Set port main topgal stunsail at 7.25. Aneroid at end of watch 30.30. Patent log 19.

Signed.

C. P. Rus. Lieut

8 A.M. to Meridian. Cloudy, pleasant. Moderate breeze from S<sup>W</sup> E by E. Smooth sea. At 9.15 went to quarters. Comd'g Officer inspected the ship and crew. Aneroid barometer 30.29. Patent log 45.2. Released J. K. Bashforth (sea) from confinement.

Signed.

W. M. Irwin. Lieut

Meridian to 4 P.M. Cloudy, pleasant. Moderate S<sup>W</sup> E by E breeze. Slight fall in barometer. Patent log 69.8. Aneroid barometer 30.24.

Signed.

W. S. Hannum. Ensign

4 to 6 P.M. Weather pleasant. Moderate breeze from S<sup>W</sup> E by E. Patent log at end of watch 81 knots. Aneroid barometer 30.26.

Signed.

Karl Aohu. Lieut

6 to 8 P.M. Cloudy and pleasant with light passing showers first hour. Moderate breeze from S<sup>W</sup> and E<sup>W</sup>. Vessel on course throughout watch heading N<sup>W</sup> by N. Aneroid barometer 30.28. Patent log 15.5.

Signed.

C. P. Rus. Lieut

Moon. Laid

Examined and found to be correct.

Dec. 13° 13' 50" S.

Phase. New Moon.

M. Keegan  
Lieut & Navigator.



making passage from St Helena to New York, U.S. of America

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	5 1/2	11	SW by S	SE by E	11		30.11	69	69	66	69	oc	Cir cum	0	S	
2	5 1/2	11	"	"	11		30.13	69	69	66	69	"	"	0	"	
3	6 1/2	11	"	"	11		30.12	69	69	66	69	"	"	0	"	
4	6 0	11	"	"	11		30.11	68	69	66	69	"	"	0	"	
5	5 5	11	"	"	11		30.11	68	69	66	69	"	"	0	"	
6	6 0	11	"	"	11		30.11	68	69	66	69	"	"	0	"	
7	5 0	11	"	"	11		30.13	68	69	66	69	"	"	0	"	
8	6 0	11	"	"	11		30.11	68	69	66	69	"	"	0	"	
9	6 0	11	"	"	11		30.17	70	70	67	69	ocd	"	0	"	
10	5 8	11	"	"	11		30.18	72	71	68	69	oc	"	0	"	
11	5 5	11	"	"	11		30.18	72	71	68	69	"	"	0	"	
Noon.	6 8	11	"	"	11		30.18	72	71	68	69	"	"	0	"	

Distance run by Log since preceding Noon

141 knots 14 fathoms.

Latitude by D. R. at Noon

13 ° 02 '00 " S

Longitude by D. R. at Noon

11 ° 03 '00 " W

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

11 ° 17 '30 " W

648. Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

23 ° 18 '00 " W

Water expended during the preceding 24 hours

320 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2060 "

Coal consumed during the preceding 24 hours

tons 1400 lbs.

Coal remaining on hand at Noon

141 " 2032 "

P. M.																
1	6 0	11	SW by S	SE by E	11		30.11	71	73	68	69	bed	Cir cum	1	S	
2	6 0	11	"	"	11		30.11	71	72	68	69	"	"	2	"	
3	6 0	11	SW by S	"	11		30.11	71	72	68	69	be	"	11	"	
4	6 0	11	"	"	11		30.11	71	72	68	69	bed	"	1	"	
5	6 6	11	"	"	11		30.15	69	71	67	70	be	"	3	"	
6	6 2	11	"	"	11		30.15	70	71	67	70	"	"	1	"	
7	5 6	11	"	"	11		30.15	72	71	66	70	"	"	1	"	
8	5 8	11	"	"	11		30.17	73	71	66	70	"	"	1	"	
9	5 5	11	"	"	11		30.17	73	71	66	70	oc	Cir cum	0	"	
10	5 5	11	"	"	11		30.17	73	71	66	70	"	"	0	"	
11	5 0	11	"	"	11		30.19	73	66	66	70	"	"	0	"	
Mid.	6 0	11	"	"	11		30.19	73	66	66	70	"	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. G. M. Conrick

, U. S. Navy,

Monday November 24th, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A. M. Overcast and cloudy. Moderate breeze from S. E. by E. Smooth sea. Aneroid barometer 30.28. Patent log 10.

Signed.

A. M. Irwin.

Lieut

11 to 1 P. M. Overcast. Moderate S. E. by E breeze. Rising barometer. Cleaned bilges. Pumped ship out. Patent log 6 miles. Aneroid barometer 30.30

Signed.

W. G. Hammum.

Ensign.

1 P. M. to Meridian. Weather pleasant though somewhat damp. Moderate breeze from S. E. by E. Barometer rising. Painting ship inside. First division fired ten shots each at target with Hotchkiss Rifle. Aneroid barometer 30.31.

Signed

Karl Rohrer.

Lieut

Meridian to 4 P. M. Cloudy and pleasant with moderate breezes from S. E. and E. At 2. changed course from N N W  $\frac{3}{4}$  W. Painting ship inside. Aneroid barometer 30.26. Patent log 107 knots. Vessel on her course throughout watch.

Signed.

A. J. L. F. Halpine.

Ensign

4 to 6 P. M. Weather partly cloudy and pleasant. Moderate breeze from S. E. by E. Barometer steady. Aneroid at end of watch 30.29. Patent log 20

Signed

K. P. Ales.

Lieut

6 to 8 P. M. Pleasant weather. Moderate breeze from S. E. by E. Smooth sea. Aneroid barometer 30.30. Patent log 31.

Signed.

A. M. Irwin.

Lieut

8 P. M. to Midnight. Cloudy. Pleasant weather. Moderate S. E. by E breeze. Slight rise in barometer. Patent log 53 miles. Aneroid barometer 30.30.

Signed.

W. G. Hammum.

Ensign

Abowlaid

Examined and found to be correct.

Dec 10° 10' 52" S.

Phase. New moon

W. Keeler  
Lieut & Navigator.



Making passage from St Helena to New York, U.S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	5 0		Act W 3/4 N	SE & E	11		30.16	71	71	65	70	oc	Gen & Cir Cum 3 memb	0	8	All plain sail except
2	5 0		"	"	11		30.16	71	71	65	70	"	"	0	"	mainsail, stbd stunsail
3	5 0		"	"	11		30.14	71	71	65	70	"	"	0	"	port m. topgalt stunsail
4	5 0		"	"	11		30.12	71	71	65	70	"	"	0	"	
5	5 0		"	S. E.	11		30.12	70	70	66	70	"	"	0	"	
6	5 0		"	"	11		30.16	70	70	66	70	"	"	0	"	
7	6 0		"	SE & S.	11		30.19	70	70	66	70	"	"	0	"	
8	5 6		"	"	11		30.19	70	70	66	70	"	"	0	"	
9	6 0		"	"	11		30.19	70	70	66	70	"	"	0	"	
10	6 11		"	"	11		30.19	71	71	66	70	"	"	0	"	
11	6 5		"	"	11		30.20	71	72	67	70	"	"	0	"	
Noon.	6 0		"	"	11		30.20	71	72	67	70	"	"	0	"	

Distance run by Log since preceding Noon

136 knots 7 fms.

Latitude by D. R. at Noon

11 46 00" S

Longitude by D. R. at Noon

13 10 00" W

Latitude by Observations at Noon ☉

11 44 40" S

Longitude by Chronometer from Forenoon Observations ☉

13 19 00" W

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

0 0 0

Variation of the Compass by Azimuth ☉ observed at 8 AM

22 00 00" W

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1710 "

Coal consumed during the preceding 24 hours

tons 1400 lbs.

Coal remaining on hand at Noon

141 1632 "

P. M.																
1	2 8		Act W 3/4 N	SE & S.	11		30.19	72	73	67	70	bc	Gen & Cir Cum	1	S	
2	6 2		"	"	11		30.19	72	73	67	70	oc	"	0	"	
3	6 2		"	"	11		30.16	72	73	67	70	"	"	0	"	
4	6 11		"	"	11		30.16	72	73	67	70	"	"	0	"	
5	6 0		"	"	11		30.14	72	72	67	70	"	"	0	"	
6	6 5		"	"	11		30.14	72	72	68	70	ocd	"	0	"	
7	6 0		"	SE & S.	11		30.16	72	72	68	70	bcp	Cir Cum memb	2	"	
8	6 5		"	"	11		30.16	72	72	68	70	"	"	2	"	
9	6 8		"	"	11		30.16	72	72	68	70	bc	"	1	"	
10	6 5		"	"	11		30.17	72	72	68	70	"	"	3	"	
11	7 0		"	"	11		30.17	72	72	68	70	"	"	1	"	
Mid.	7 0		"	"	11		30.17	72	72	67	70	"	"	1	"	

Longitude by Chronometer from Afternoon Observations ☉

0 0 0

Longitude by Chronometer from Observations \*

0 0 0

Variation of the Compass by Amplitude observed at Sunset

0 0 0

Variation of the Compass by

at

0 0 0



under the command of

Commander A. H. M<sup>c</sup> Connick

, U. S. Navy,

Tuesday, November 25.

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather pleasant but cloudy. Moderate breeze from S. E. by E. Barometer falling. Aneroid barometer 30.24. Patent log at end of watch 73 knots.

Signed

Karl Rohrer.

Lieut

11 to 1 P.M. Cloudy and pleasant, with rising barometer and moderate breeze from S. E. and E. Vessel on her course throughout watch heading N. N. W.  $3\frac{1}{4}$  W. Set port lower and fore topmast stunsail. Aneroid bar. 30.32. Patent log 93.5.

Signed

A. J. L. F. Halpine.

Ensign

1 P.M. to Meridian. Overcast and cloudy during greater part of watch. Moderate breeze from S. E. by S. Barometer rising. Took in port lower and topmast stunsail at 8.30. Set lee clew of mainsail at 8.40. Mustered at quarters at 9.15. Painting ship. Aneroid at end of watch 30.30. Patent log 19.0

Signed.

C. P. Rus.

Lieut

Meridian to 11 P.M. Overcast and cloudy greater part of watch. Moderate breeze from S. E. by S. At 12.23 changed course to N. N. W.  $1\frac{1}{2}$  W. by order of Comdg Officer. Patent log showing 23. Painting ship inside. Aneroid barometer 30.26. Patent log at end of watch 47 miles.

Signed.

W. M. Irwin.

Lieut

11 to 6 P.M. Cloudy. Pleasant. Moderate S. E. by S. breeze. Slight fall in barometer. At 11.45 mustered at quarters. Patent log 59.8 miles. Aneroid barometer 30.28.

Signed.

W. G. Hammun.

Ensign

6 to 8 P.M. Pleasant weather. Moderate breeze from S. E. by E. Barometer steady. Patent log at end of watch 73 knots. Aneroid barometer 30.28.

Signed.

Karl Rohrer.

Lieut

8 P.M. to Midnight. Cloudy pleasant weather with stationary barometer and moderate breezes from S. E. and E. Vessel on her course throughout watch heading N. N. W.  $1\frac{1}{4}$  W. Aneroid barometer 30.30. Patent log 101.

Signed.

A. J. L. F. Halpine.

Ensign

Moon mid

Examined and found to be correct.

Dec 6° 36' 17" S

Phase. First Quarter.

W. Keegan  
Lieut & Navigator.



Making passage from St Helena to New York U.S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	6 0		N. N. W. 1/2 N	S. E. E	11		30.16	72	72	68	70	oc	circum 3 cum	0	S	all square sail and
2	5 5		"	"	11		30.15	72	72	68	70	"	"	0	"	duplex of mainsail
3	6 5		"	"	11		30.11	72	73	68	72	bc	"	2	"	starboard stunsail
4	6 8		"	"	11		30.13	73	72	68	73	"	"	3	"	
5	6 8		"	"	11		30.13	72	72	68	73	"	"	1	"	
6	6 8		"	"	11		30.13	72	72	68	73	oc	"	0	"	
7	7 0		"	"	11		30.11	72	72	68	73	"	"	0	"	
8	7 6		"	S. E. E	5		30.16	73	72	68	73	"	"	0	"	Took in on. top of stunsail
9	6 0		"	"	11		30.18	73	72	69	73	"	"	0	"	st weather duplex of mainsail
10	6 0		"	"	11		30.18	72	73	70	73	bc	"	1	"	
11	5 5		"	"	11		30.18	72	73	70	73	"	"	3	"	
Noon.	5 0		"	"	11		30.18	72	74	72	73	"	circum 2 cum	2	"	

Distance run by Log since preceding Noon

152 knots 0 tenths

Latitude by D. R. at Noon

10° 05' " S

Longitude by D. R. at Noon

15° 22' " W

Latitude by Observations at Noon ☉

10° 08' 30" S.

Longitude by Chronometer from Forenoon Observations ☉

15° 18' 30" W

647. Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at 8 AM.

21° 00' 00" W

Water expended during the preceding 24 hours

310 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

11400 "

Coal consumed during the preceding 24 hours

tons 400 lbs.

Coal remaining on hand at Noon

141 " 1232 "

3 P. M.																
10° 00'	1	5 8	N. N. W. 1/2 N	S. E. E	11		30.18	72	74	72	73	bc	circum 3 cum	3	S	
7 18° 23'	2	6 6	"	"	11		30.16	72	74	72	73	ocd	"	0	"	
	3	6 0	"	"	11		30.11	72	74	73	73	bc	circum 3 cum	3	"	
	4	6 0	"	"	11		30.12	73	74	73	73	"	"	11	"	
	5	6 11	"	"	11		30.11	74	74	73	73	"	"	1	"	
	6	6 0	"	"	11		30.16	75	74	73	73	"	"	1	"	
3 9° 36'	7	6 0	"	"	11		30.18	75	74	73	73	"	"	1	"	
7 16° 06'	8	7 0	"	"	11		30.18	74	74	73	73	"	"	2	"	
	9	5 5	"	"	11		30.19	74	74	73	73	"	circum 3 cum	3	"	
	10	6 0	"	"	11		30.19	73	73	73	73	"	"	1	"	
	11	6 8	"	"	11		30.19	73	73	73	73	bc	"	2	"	
Mid.	12	6 0	"	"	11		30.19	73	73	69	73	"	"	2	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of *Comman der A. H. M<sup>o</sup> Cornick*  
*Wednesday, November 26th*

, U. S. Navy,  
, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

*Commences, and until 4 A.M. Weather cloudy and pleasant. Moderate breeze from S.E. by E. Barometer falling. Aneroid at end of watch 30.24. Patent log 27.5.*  
*Signed. C. P. Aus. Lieut*

*4 to 8 A.M. Overcast and cloudy. Moderate breeze from S.E. by E. hauling to E.S.E. and freshening. At 7.15 took in port main top gallant stunsail and set weather clew of main sail. Aneroid barometer 30.31. Patent log 54.0.*  
*Signed. W. M. Irwin. Lieut*

*8 A.M. to Meridian. Cloudy. Warm. Moderate E.S.E. breeze. Slight rise in barometer. At 9.15 inspected at quarters. Exercised divisions at small arm target practice throughout the watch. At 9.30 hauled in patent log registering 63.5 miles. Aneroid 30.28.*  
*Signed. W. G. Hannum. Ensign*

*Meridian to 4 P.M. Pleasant weather. Moderate breeze from E.S.E. Barometer falling. Smooth sea. Aneroid barometer 30.28.*  
*Signed. Karl Rohrer. Lieut*

*4 to 6 P.M. Cloudy. Pleasant weather. At 4.45 held evening quarters. Vessel on her course throughout watch heading N. N. W. 1/2 W. Aneroid barometer 30.28. Patent log 76.5.*  
*Signed. A. J. L. J. Halpin. Ensign*

*6 to 8 P.M. Weather cloudy and pleasant. Moderate breeze from E.S.E. Barometer rising. Aneroid 30.28. Patent log 89.5.*  
*Signed. C. P. Aus. Lieut*

*8 P.M. to Midnight. Cloudy with passing showers latter part. Moderate breeze from E.S.E. Smooth sea. Aneroid barometer 30.29. Patent log 12.*  
*Signed. W. M. Irwin. Lieut*

*Moon 1 mid Examined and found to be correct.*  
*Dec 3° 37' 08" S.*  
*Phase, First Quarter.*

*W. Keegan*  
*Lieut & Navigator.*



LOG of the UNITED STATES

Steamer "Essex"

3d Rate, 6 Guns,

Making passage from St Helena to New York, U.S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	6 0		N. N. W. 1/2 W.	E. S. E.	11		30.19	73	73	69	73	bc	circum	3		Log sail & abtd. stunsails
2	6 0		"	"	11		30.15	73	72	69	73	"	"	14	"	
3	5 5		"	"	11		30.13	73	72	69	73	"	"	6	"	
4	5 5		"	"	11		30.12	73	72	69	73	"	"	3	"	
5	5 5		"	"	11		30.10	73	72	69	73	cc	Dis. cum. clouds	0	"	
6	6 0		"	E. S. E.	11		30.12	73	72	69	73	"	"	0	"	
7	5 5		"	"	11		30.11	73	72	69	73	"	"	0	"	
8	5 5		"	"	11		30.16	73	72	69	73	"	"	0	"	
9	5 5		"	"	11		30.18	73	72	69	73	"	"	0	"	
10	5 6		"	"	11		30.16	74	73	69	73	bc	"	2	"	Look in mainsail
11	5 6		"	"	11		30.16	74	73	69	73	"	"	2	"	
Noon.	6 2		"	"	11		30.17	75	70	71	73	"	"	2	"	

Distance run by Log since preceding Noon

14 1/2 knots 6 fathoms.

Latitude by D. R. at Noon

8° 36' 30" S

Longitude by D. R. at Noon

17° 09' 00" W

Latitude by Observations at Noon ☉

8° 41' 00" S

Longitude by Chronometer from Forenoon Observations ☉

17° 19' 00" W

Current during the time 10 knots — fms. per hour, setting to the N. S. W.

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

330 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1070 "

Coal consumed during the preceding 24 hours

tons 400 lbs.

Coal remaining on hand at Noon

141 " 832 "

P. M.																
1	2 0		N. N. W. 1/2 W.	E. S. E.	11		30.16	73	75	70	74	bc	Dis. cum. clouds	2		Look in fore & stunsails
2	6 11		"	"	11		30.16	73	75	70	74	"	"	2	"	
3	6 11		"	"	11		30.15	74	75	70	74	"	Dis. cum.	5	"	
4	6 8		"	"	11		30.15	73	74	70	74	"	"	11	"	
5	5 6		"	"	11		30.15	74	74	70	74	"	"	11	"	
6	5 6		"	"	11		30.15	74	74	70	74	"	"	6	"	
7	6 0		"	"	11		30.15	74	74	70	74	"	"	3	"	
8	5 5		"	"	11		30.15	74	74	70	74	"	"	14	"	
9	5 0		"	"	11		30.17	74	74	70	74	"	"	7	"	
10	5 0		"	"	11		30.17	75	74	70	74	"	"	8	"	
11	5 0		"	"	3		30.17	75	74	70	74	"	"	14	"	
Mid.	5 0		"	"	3		30.17	75	74	70	74	bcp	"	5	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M. Cornick

, U. S. Navy,

Thursday, November 27th

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Cloudy. Moderate E.S.E. breeze. Occasional light rain squalls. Falling barometer. Patent log 36.5. Aneroid 30.24.

Signed, W. G. Hammum.

Ensign

11 to 8 A.M. Cloudy but pleasant. Moderate breeze from E.S.E. to S.E. Barometer rising. Smooth sea. At 7.35 set all port stunsails. Patent log at end of watch 57 knots. Aneroid barometer 30.29.

Signed, Karl Rohrer.

Lieut

8 A.M. to Meridian. Cloudy pleasant weather with moderate breezes from S. and E. and stationary barometer. At 9.15 inspected at quarters. Hauled up mainsail. Vessel on her course throughout watch heading N.N.W. 1/2 W. Aneroid barometer 30.27. Patent log 70.5.

Signed, N. J. L. J. Walker.

Ensign

Meridian to 4 P.M. Weather cloudy and pleasant. Moderate breeze from E.S.E. Barometer steady. At 12.20 changed course to N.N.W. 3/4 W. Took in port stunsails. Aneroid at end of watch 30.24. Patent log 100.2.

Signed, A. P. Rus.

Lieut

11 to 6 P.M. Pleasant weather. Moderate breeze from E.S.E. Smooth sea. Aneroid barometer 30.25.

Signed, W. M. Irwin.

Lieut

6 to 8 P.M. Cloudy. Pleasant weather. Moderate E.S.E. breeze. Barometer steady. Patent log 144 miles. Aneroid barometer 30.26.

Signed, W. G. Hammum.

Ensign

8 P.M. to Midnight Weather pleasant. Light passing showers in last hour of watch. Breeze to moderate breeze from E.S.E. Barometer steady. Patent log 145 knots. Aneroid barometer 30.27.

Signed, Karl Rohrer.

Lieut

Moon and  
Dec  
Phase

Examined and found to be correct.

M. Kew  
Lieut. Navigator.



LOG of the UNITED STATES

Steamer "Essie"

3d Rate, 6 Guns,

Making passage from St. Helena to New York, U.S. of A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	6 0		N. N. W. 3/4 N.	E S E	11		30.16	73	72	70	73	bcd	Scum 3 cum	2	S	Set Stunsails, lashed
2	5 0		"	"	11		30.11	73	72	70	73	"	"	1	"	of main sail, and all
3	5 8		"	"	11		30.12	73	73	69	73	bc	"	11	"	square sail
4	5 5		"	"	11		30.12	73	73	69	73	"	"	8	"	
5	5 2		"	"	11		30.12	72	73	69	73	"	"	11	"	
6	5 0		"	"	11		30.13	72	73	69	73	bcd	"	3	"	
7	5 0		"	"	11		30.13	72	73	70	73	"	Scum 6	6	"	Set port stunsails
8	5 5		"	"	11		30.16	73	73	70	73	"	"	11	"	
9	5 6		"	S E + S	11		30.18	75	75	70	73	bc	Scum 8 cum	11	"	
10	5 8		"	"	11		30.19	76	76	72	74	"	"	6	"	
11	5 8		"	"	11		30.19	76	76	72	74	"	"	7	"	
Noon.	6 11		"	"	4		30.18	76	78	73	76	"	"	8	"	

Distance run by Log since preceding Noon

135 knots 11 fathoms

Latitude by D. R. at Noon

7° 17' 00" S

Longitude by D. R. at Noon

18° 52' 00" W

Latitude by Observations at Noon ⊙

7° 20' 00" S

Longitude by Chronometer from Forenoon Observations ⊙

19° 12' 00" W

655 Current during the time 18 knots — fms. per hour, setting to the N. S. N. 1/2 N.

Variation of the Compass by Amplitude ⊙ observed at Sunrise

0°

Variation of the Compass by Azimuth ⊙ observed at 4 P. M. & 8 A. M.

21°

Water expended during the preceding 24 hours

100 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

670

Coal consumed during the preceding 24 hours

tons 1400 lbs.

Coal remaining on hand at Noon

141 " 432 "

P. M.																
1	5 5		N. N. W. 3/4 N.	S E + S	11		30.17	75	78	73	76	bc	Scum 8	8	S	
2	5 0		"	"	11		30.16	75	79	74	76	"	"	5	"	
3	5 5		"	"	11		30.16	75	80	75	76	"	"	6	"	Look in the top gall stunsails
4	5 5		"	S. S. E.	11		30.11	74	78	74	76	"	"	6	"	Look in main sail
5	5 5		"	S	11		30.11	76	77	73	76	"	Scum 3 cum	11	"	
6	5 0		"	S. S. E.	11		30.11	76	77	73	76	"	"	11	"	
7	5 0		"	S E + S	11		30.16	76	77	73	76	"	"	2	"	
8	5 11		"	"	11		30.18	76	77	73	76	"	"	1	"	
9	5 5		"	"	11		30.18	77	77	75	76	"	"	2	"	
10	5 11		"	"	11		30.18	78	77	75	76	bcd	"	1	"	
11	5 6		"	"	11		30.18	78	77	75	76	bc	"	2	"	
Mid.	5 6		"	"	11		30.18	77	77	75	76	"	"	1	"	

Longitude by Chronometer from Afternoon Observations ⊙

0°

Longitude by Chronometer from Observations \*

0°

Variation of the Compass by Amplitude observed at Sunset

0°

Variation of the Compass by

at

0°



under the command of

Commander A. H. M. Conrick  
Friday, November 28<sup>th</sup>

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Cloudy. Pleasant weather, clearing last hour. Moderate breezes from Sd and Ed with slowly falling barometer. Vessel on her course throughout watch heading N. N. W.  $\frac{3}{4}$  W. Aneroid barometer 30.22. Patent log 64.5.

Signed. A. J. L. E. Kaepine. Ensign  
11 to 8 A.M. Weather cloudy with light passing showers. Barometer rising. At 7.05 took in mainsail, At 7.30 set fore & stunsails. Aneroid at end of watch 30.28. Patent log 85.5.

Signed. C. P. Russ. Lieut.  
8 A.M. to Meridian. Clear and warm. Moderate breeze from S & by S. Smooth sea. At 9.30 went to general quarters; secured at 9.50. followed by exercise of the Gatling guns. Aneroid barometer 30.25. Patent log 10.

Signed. W. M. Irwin. Lieut.  
Meridian to 1 P.M. Clear and warm. Moderate S & by S  $\frac{1}{2}$  S. E. breeze. Falling barometer. At 12.05 changed course to N. W. by N. Patent log 31 miles. Aneroid barometer 30.21.

Signed. W. C. Harvum. Ensign  
1 to 6 P.M. Pleasant weather. Moderate breeze from S to S. S. E. Barometer steady. Under sail. At 4.45 mustered at quarters. Aneroid at end of watch 30.24. Patent log 42 knots.

Signed. Karl Rohrer. Lieut.  
6 to 8 P.M. Cloudy but pleasant with moderate breezes from S<sup>th</sup> and Ed. Vessel on her course throughout watch heading N. W. by N. Aneroid barometer 30.26. Patent log 53.

Signed. A. J. L. E. Kaepine. Lieut.  
8 P.M. to Midnight. Weather clear and pleasant. Moderate breeze from S. & by S. Barometer steady. Aneroid at end of watch 30.26. Patent log 74.5

Signed C. P. Russ. Lieut.

Moored mid  
Dec 5° 56' 32" N.  
Chase. First Quarter.

Examined and found to be correct.

W. Keegan  
Lieut. Navigator.



## LOG of the UNITED STATES

Steamer Essex

3d Rate, 6 Guns,

Making passage from St Helena to New York U.S. of A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	5	6	NW & N.	SE & S.	11		30.17	77	77	75	76	bc	cir cum	5	S	Sf. sail, except mainsail
2	5	11	"	"	11		30.16	75	76	74	76	"	"	2	"	All stunsails except port
3	5	6	"	"	11		30.14	75	76	74	76	"	"	1	"	of topgallant
4	5	6	"	"	11		30.14	75	76	74	76	"	"	1	"	
5	5	0	"	"	11		30.11	75	75	71	76	"	cir cum	1	"	
6	5	0	"	SE & E.	11		30.15	74	74	70	76	"	"	2	"	
7	5	0	"	"	11		30.17	74	75	70	76	bc	"	1	"	
8	6	0	"	SE & S.	11		30.18	75	75	70	76	bc	"	1	"	
9	5	8	"	SE & E.	11		30.18	75	75	70	76	"	"	1	"	Took in port stunsails
10	5	5	"	"	11		30.19	75	75	70	76	"	cir cum	3	"	Set main try sail
11	5	0	"	"	11		30.19	75	75	70	76	"	"	11	"	
Noon.	6	0	"	"	11		30.19	76	78	72	76	"	"	5	"	Took in main try sail

Distance run by Log since preceding Noon

129 knots 5 fathoms

Latitude by D. R. at Noon

6° 02' 00"

Longitude by D. R. at Noon

21° 58' 00"

Latitude by Observations at Noon ⊙

5° 58' 00"

Longitude by Chronometer from Forenoon Observations ⊙

21° 16' 00"

Current during the time 18 knots — fms. per hour, setting to the N. N. W.

Variation of the Compass by Amplitude ⊙ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M.

20° 00' 00"

Water expended during the preceding 24 hours

1400 gallons.

Water distilled during the preceding 24 hours

200 "

Water remaining on hand fit for use at Noon

1170 "

Coal consumed during the preceding 24 hours

1 tons 1660 lbs.

Coal remaining on hand at Noon

1140 " 32 "

P. M.																
1	6	0	NW & N.	SE & S.	11		30.17	79	76	73	76	bc	cir cum	7	S	Set all port stunsails
2	5	2	"	"	11		30.14	76	81	73	76	"	"	8	"	except m. topgallant
3	5	5	"	"	11		30.11	77	81	73	78	"	cir	9	"	
4	5	5	"	"	11		30.09	77	82	73	78	"	"	9	"	
5	5	11	"	SE & S.	11		30.09	76	79	72	78	"	"	9	"	
6	6	0	"	"	11		30.09	76	78	72	78	"	"	9	"	
7	6	6	"	"	11		30.12	76	78	72	78	"	"	9	"	
8	6	2	"	"	11		30.12	76	78	72	78	"	"	9	"	
9	6	0	"	"	11		30.12	76	78	72	78	"	cir cum	8	"	
10	5	0	"	"	11		30.12	76	78	72	78	"	"	7	"	
11	5	0	"	"	11		30.15	76	76	71	78	"	"	7	"	
Mid.	5	0	"	"	11		30.15	76	76	71	78	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ⊙

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of *Commander A. H. M<sup>c</sup> Cormick*, U. S. Navy,  
*Saturday, November 29<sup>th</sup>*, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather cloudy. Moderate breeze from S.E. by S. Smooth sea. At 3.10 furlled mainsail. Aneroid bar 30.20. Patent log 97.5  
Signed. *W. M. Irwin*. Lieut

11 to 8 A.M. Cloudy. Moderate S.E. by E. and S.E. by S breeze. Rising barometer. At 11.00 started fires for distilling. Aneroid bar 30.27. Patent log 20.  
Signed. *W. G. Hamnum*. Ensign.

8 A.M. to Meridian. Weather clear and pleasant. Moderate breeze from E. S. E. Barometer steady. Patent log at end of watch 43.5. Knots. Aneroid barometer 30.26.  
Signed. *Karl Rohrer*. Lieut

Meridian to 11 P.M. Clear, warm and pleasant, with moderate breezes from Sd and Ed, and falling barometer. Set post lower, fore topmast and main top gallant stunsail. Vessel on her course through out watch heading NW by N. Aneroid bar 30.15. Patent log 66.  
Signed. *A. J. L. G. Halpin*. Ensign

11 to 6 P.M. Weather clear and pleasant. Moderate breeze from S.E. by S. Barometer steady. Distilling. Aneroid at end of watch 30.16. Patent log 78.  
Signed. *G. P. Rus*. Lieut

6 to 8 P.M. Clear, delightful weather. Moderate breeze from S.E. by S. Smooth sea. Aneroid bar 30.20. Patent log 90.5  
Signed. *W. M. Irwin*. Lieut

8 P.M. to Midnight. Clear and pleasant. Bright moonlight. Moderate S.E. by S breeze. Rising barometer. Distilling. Patent log 11.5. Aneroid barometer 30.21.  
Signed. *W. G. Hamnum*. Ensign

*Examined* Examined and found to be correct.  
16° 04' 20.76.  
Phase, First-Quarter.

*M. Keel*  
Lieut & Navigator.



Making passage from St Helena to New York, U.S. of A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	5 0		NW x N	SE x S	11		30.14	75	77	73	78	bc	circum	6	S	Sq. sail, 1st & 2nd sails
2	5 0		"	"	11		30.12	76	77	73	78	"	"	3	"	except top gall & 2nd sail
3	5 0		"	"	11		30.11	76	77	73	78	"	"	5	"	
4	11 5		"	"	3		30.11	76	77	73	78	"	"	3	"	
5	11 0		"	"	3		30.13	75	76	73	78	ood	"	5	"	
6	11 11		"	"	3		30.13	75	77	73	78	bc	"	2	"	
7	11 11		"	"	3		30.13	75	77	73	78	"	"	11	"	
8	11 11		"	"	3		30.13	76	77	73	78	"	"	5	"	
9	11 2		"	"	3		30.15	76	77	73	78	"	Cir Cum Alrat	5	"	
10	11 6		"	"	3		30.17	76	77	73	78	"	"	5	"	
11	11 6		"	S.E.	3		30.17	76	78	73	78	"	Cir Cum cumbs	11	"	
Noon.	6 2		"	"	11		30.17	75	77	73	78	"	"	1	"	

Distance run by Log since preceding Noon

120 knots 7 fathoms

Latitude by D. R. at Noon

44° 44' 00" S

Longitude by D. R. at Noon

"

Latitude by Observations at Noon ☉

"

Longitude by Chronometer from Forenoon Observations ☉

23° 16' 00" W

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

"

Variation of the Compass by Azimuth ☉ observed at

"

Water expended during the preceding 24 hours

350 gallons.

Water distilled during the preceding 24 hours

1630 "

Water remaining on hand fit for use at Noon

1750 "

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

"

P. M.																
1	1 2		NW x N	S. S. E.	3		30.13	75	77	73	78	bc	Cum & circum	3	S	Look in for 1st & 2nd sails
2	3 8		"	"	3		30.13	76	77	73	78	"	"	11	"	Set main & top sail
3	3 8		"	"	3		30.13	76	78	73	78	"	"	2	"	Look in main & top sail
4	11 2		"	"	3		30.10	76	78	73	78	"	"	2	"	
5	11 0		"	"	3		30.10	77	78	73	78	"	"	11	"	Set for 1st & 2nd sails
6	5 0		"	"	3		30.09	77	78	73	78	"	Cir Cum	8	"	
7	5 0		"	S.E.	3		30.09	77	78	73	78	"	"	8	"	
8	5 5		"	"	11		30.10	77	78	73	78	"	"	7	"	
9	5 8		"	"	11		30.12	76	78	73	78	"	"	8	"	
10	6 0		"	"	11		30.11	76	77	72	78	"	Cum & circum	11	"	
11	6 0		"	"	11		30.15	76	77	73	78	"	"	11	"	
Mid.	6 0		"	"	11		30.15	76	76	72	78	"	"	5	"	

Longitude by Chronometer from Afternoon Observations ☉

"

Longitude by Chronometer from Observations \*

"

Variation of the Compass by Amplitude observed at Sunset

"

Variation of the Compass by

at

"



under the command of

Commander A. H. M<sup>r</sup> Connick

, U. S. Navy,

Sunday, November 30

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Pleasant weather. Moderate to gentle breeze from S.E. by S. Barometer falling. Smooth sea. Distilling. Patent log at end of watch 31 knots. Aneroid barometer 30.19.

Signed.

Karl Rohrer.

Lieut

4 to 8 A.M. Fair and pleasant with stationary barometer and gentle breezes from Sd and Ed. Vessel on her course throughout watch heading N.W. by N. Aneroid barometer 30.15. Patent log 47.5. Distilling.

Signed.

W. J. L. J. Halpine. Ensign

8 A.M. to Meridian. Weather cloudy and pleasant. Moderate breeze from Sd and Ed. Barometer rising. The commanding officer inspected the ship and crew at quarters at 8.15. Distilling. Aneroid at end of watch 30.24. Patent log 67.

Signed.

L. P. Rues

Lieut

Meridian to 4 P.M. Cloudy but pleasant. Gentle breeze from S.E. hauling to E.S.E. At 12.05 took in port stunsails and set main trysail. At 12.15 changed course to N.W. 3/4 N. patent log heading 68. At 1.55 took in main trysail. Aneroid barometer 30.24. Patent log 82.5.

Signed.

W. W. Irwin.

Lieut

4 to 6 P.M. Clear and pleasant. Gentle E.S.E. breeze. Barometer steady. At 4.30 set port stunsails. Patent log 91.5. Aneroid barometer 30.19.

Signed.

W. L. Hammum.

Ensign

6 to 8 P.M. Pleasant weather. Gentle to moderate breeze from S.E. by S. Barometer steady. Smooth sea. Distilling. Bright moon and starlight. Patent log at end of watch 102.5 knots. Aneroid barometer 30.21.

Signed.

Karl Rohrer.

Lieut

8 P.M. to Midnight. Generally cloudy weather with moderate breezes from Sd and Ed and slowly rising barometer. Vessel on her course throughout watch heading N.W. 3/4 N. At 10.50 stopped distilling and banked fires under distilling boilers. Aneroid barometer 30.21. Patent log 27.

Signed.

W. J. L. J. Halpine

Ensign

Mo on 1 mi d

Examined and found to be correct.

Dec 13° 42' 19" N.

Phase First Quarter

W. Keegan  
Lieut Navigator.



Making passage from St Helena to New York. U.S. of A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	52		SW $\frac{3}{4}$ N	SE + S	11		30.15	76	76	72	78	bc	cir cum	5	S	
2	50		"	"	11		30.10	76	76	72	78	"	"	3	"	
3	52		"	"	11		30.10	76	76	72	78	"	"	6	"	
4	52		"	"	11		30.06	76	77	73	78	"	"	7	"	
5	50		"	"	11		30.08	76	77	73	78	"	"	6	"	
6	46		"	"	3		30.10	76	77	73	78	"	"	6	"	
7	50		"	"	3		30.12	76	77	73	78	"	"	5	"	
8	15		"	"	3		30.12	76	77	73	78	"	"	4	"	Took in all sail
9	30		"	"	3		30.13	77	78	74	78	"	"	4	"	Set all sq. sail & other
10	60		"	"	3		30.14	77	78	74	78	"	"	6	"	stun sails
11	50		"	"	11		30.14	77	78	74	78	"	"	8	"	
Noon.	50		"	"	11		30.14	77	78	74	78	"	"	8	"	

Distance run by Log since preceding Noon

115 knots 0 fathoms

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

350 gallons.

Water distilled during the preceding 24 hours

1100 "

Water remaining on hand fit for use at Noon

2800 "

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P. M.	Knots.	Fathoms.	Courses steered.	Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.	State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
1	46		SW $\frac{3}{4}$ N	SE + S	3		30.12	77	81	76	79	bc	cir cum	7	S	
2	50		"	"	3		30.10	77	81	75	79	"	"	7	"	
3	50		"	"	3		30.08	77	81	75	79	"	"	8	"	
4	46		"	"	3		30.06	77	81	75	79	"	"	8	"	
5	48		"	"	3		30.06	77	81	75	79	"	"	7	"	
6	48		"	"	3		30.06	77	81	75	79	"	"	7	"	
7	55		"	"	3		30.06	77	81	75	79	"	"	5	"	
8	56		"	"	3		30.07	77	79	73	79	"	"	5	"	
9	56		"	"	11		30.10	78	79	74	78	"	"	5	"	
10	58		"	"	11		30.10	78	80	74	78	"	"	5	"	
11	511		"	"	11		30.12	78	80	74	78	"	"	6	"	
Mid.	511		"	"	11		30.12	78	80	74	78	"	"	6	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of *Commander A. H. M. Cornick*  
*Monday, December 1<sup>st</sup>*

, U. S. Navy,  
1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather clear and pleasant, gentle breeze from S & by S. Barometer steady. Fire banked under four boilers. Aneroid at end of watch 30.17. Patent log 47.

Signed. *C. P. Russ.* Lieut  
11 to 8 A.M. Pleasant weather. Gentle breeze from S & by S. Smooth sea. Started fires under four boilers for swinging ship. At 7.15 took in all sail. At 7.40 set jib and foresail. At 7.15 started steaming ahead and commenced swinging ship. Took in foresail and jib. Aneroid barometer 30.23. Patent log 62.8.

Signed. *W. M. Irwin.* Lieut  
8 A.M. to Meridian. Clear and warm. Gentle and moderate S & by S breezes. Slight rise in barometer. At 8.30 made sail to royals and stood on course. Set starboard stunsails. At 9.15 inspected at quarters immediately after exercised at battalion and company drill. By order of Commanding Officer, Asst Engr J. M. Pickrell, U.S.N. was suspended for five days for neglect of duty as Engineer of watch. Patent log 81.5. Aneroid barometer 30.20.

Signed. *W. G. Hannum.* Ensign  
Meridian to 11 P.M. Pleasant weather. Gentle breeze from S & by S. Barometer falling. Patent log 100 knots at end of watch. Aneroid bar. 30.10

Signed. *Karl Rohrer.* Lieut  
11 to 6 P.M. Pleasant weather with stationary barometer and gentle breeze from S & by S. Vessel on course through but watch heading N.W. 3/4 W. At 11.45 held evening quarters. afterwards went to fire quarters. ready time 2 m. 30 sec. Aneroid barometer 30.21. Patent log registered 9 knots.

Signed. *W. J. L. S. Halpine.* Ensign  
6 to 8 P.M. Weather clear and pleasant. Moderate breeze from S & by S. Barometer steady. Bright moonlight. Aneroid at end of watch 30.14. Patent log 21.

Signed. *C. P. Russ.* Lieut  
8 P.M. to Midnight. Clear and pleasant. Bright moonlight. Moderate breeze from S & by S. Smooth sea. Aneroid barometer 30.16. Patent log 42.

Signed *W. M. Irwin.* Lieut

Moon Lmid  
Dre  
Phase  
Examined and found to be correct.

*W. Keegan*  
Lieut-3 Navigator.



## LOG of the UNITED STATES

Steamer Essex

3d Rate, 6 Guns,

Making passage from St. Helena to New York, U.S. of A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	11 5		N 1/4 N.	S 6 x S	11		30.10	76	79	74	78	bc	Sc. cum	5	8	Sy sail, except main sail
2	11 5		"	"	11		30.08	76	78	73	78	"	"	11	"	All stunsails except f.
3	5 0		"	"	11		30.07	76	78	73	78	"	"	6	"	top gallant stunsail
4	5 0		"	"	11		30.07	76	77	73	78	"	"	5	"	
5	5 0		"	"	3		30.07	76	77	73	78	"	"	5	"	
6	5 0		"	"	3		30.07	76	77	73	78	"	"	11	"	
7	5 0		"	"	3		30.09	76	78	74	78	"	"	11	"	
8	5 0		"	"	3		30.09	76	78	74	78	"	"	11	"	
9	5 6		"	"	11		30.11	78	79	74	78	"	"	6	"	
10	5 6		"	"	11		30.11	78	80	75	78	"	"	8	"	
11	5 2		"	"	11		30.11	78	80	75	78	"	"	7	"	
Noon.	5 2		"	"	11		30.11	78	81	75	80	"	"	7	"	

Distance run by Log since preceding Noon

122 knots 7 fathoms

Latitude by D. R. at Noon

"

Longitude by D. R. at Noon

"

Latitude by Observations at Noon ☉

"

Longitude by Chronometer from Forenoon Observations ☉

"

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

"

Variation of the Compass by Azimuth ☉ observed at

"

Water expended during the preceding 24 hours

325 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2475 "

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

"

P. M.																
1	2 0		N 1/4 N.	S 6 x S	11		30.10	79	80	75	80	bc	Sc. cum	7	8	
2	5 2		"	"	11		30.08	78	81	75	80	"	"	8	"	
3	5 0		"	"	11		30.06	78	81	75	80	"	"	6	"	
4	5 0		"	"	11		30.05	78	81	75	80	"	"	7	"	
5	11 8		"	"	3		30.05	78	81	76	80	"	"	8	"	
6	11 6		"	"	3		30.05	78	80	75	80	"	"	6	"	
7	11 5		"	"	3		30.06	78	79	74	80	"	"	6	"	
8	5 3		"	"	11		30.08	78	78	74	79	"	"	8	"	
9	5 5		"	S 6.	11		30.07	78	78	75	79	"	"	7	"	Look in port lower and top gall stunsails
10	6 0		"	"	11		30.07	78	78	75	79	"	"	8	"	
11	5 5		"	"	11		30.08	78	78	75	79	"	"	7	"	
Mid.	6 0		"	"	11		30.08	78	78	75	79	"	"	6	"	

Longitude by Chronometer from Afternoon Observations ☉

"

Longitude by Chronometer from Observations \*

"

Variation of the Compass by Amplitude observed at Sunset

"

Variation of the Compass by at

"



under the command of

Commander A. H. M. Brink  
Tuesday, December 2<sup>d</sup>

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Generally clear and pleasant, Bright moonlight. Moderate S by E breeze. Slight fall in barometer. Patent log 63 miles. Aneroid bar 30.12.  
Signed. W. B. Hamburn. Ensign

4 to 8 A.M. Clear and pleasant, Gentle breeze from S. E by S. Barometer steady. Smooth sea. Patent log at end of watch 81.5 knots. Aneroid barometer 30.17.  
Signed. Karl Rohrer. Lieut

8 A.M. to Meridian. Clear, warm and pleasant with stationary barometer and moderate breezes from Sd and Ed. At 9.15 inspected at quarters and exercised divisions at great guns. Called away all boats armed and equipped. Time all boats 5.00. Engaged in painting hammock cloths. Vessel on course throughout watch, heading N. W  $\frac{1}{4}$  N. Aneroid barometer 30.16. Patent log 102 knots.  
Signed. N. J. L. Halpine. Ensign

Meridian to 11 P.M. Weather clear and pleasant, Gentle breeze from S E by S. Barometer falling. Aneroid at end of watch 30.09. Patent log 22.5. At 12.20 changed course to N. N. W.  $\frac{3}{4}$  N. Patent log 11.0.  
Signed. L. P. Rus. Lieut

11 to 6 P.M. Clear and pleasant, Gentle breeze from S E by E. Smooth sea. Went to quarters at 11.45. Aneroid barometer 30.12.  
Signed. W. M. Irwin. Lieut

6 to 8 P.M. Clear and pleasant with gentle to moderate breeze from S by E. Bright moonlight. Rising barometer. Aneroid 30.15 at end of watch. Patent log 4.5.  
Signed. W. J. Sears. Ensign

8 P.M. to Midnight, Clear and pleasant weather. Moderate breeze from S E. Barometer steady. Smooth sea. At 9.05 took in port lower and topmast stunsails and braced up one point with port braces. Patent log at end of watch 63. Aneroid barometer 30.17.  
Signed. Karl Rohrer. Lieut

Moored mid  
Dec  
Phase

Examined and found to be correct.

W. Keegan  
Lieut & Navigator.



## LOG of the UNITED STATES

Steamer Essex

3d Rate, 6 Guns,

Making passage from St Helena to New York. U. S. S.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather. by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	5 11		N. N. W. 3/4 W.	E. S. E.	11		30.08	77	78	74	79	bc	cir cum	6	S	All square sail in use
2	5 11		"	S. E. x S.	11		30.06	77	78	74	79	"	"	6	"	weather flew off main
3	5 2		"	"	11		30.06	77	78	74	79	"	"	6	"	all stbd stunsails
4	4 6		"	"	11		30.06	77	78	74	79	"	"	11	"	
5	5 11		"	S. E.	11		30.06	77	78	74	79	"	"	11	"	
6	5 2		"	"	11		30.07	77	78	74	79	"	cum & cir cum	11	"	
7	4 6		"	S. E. x E.	11		30.08	77	78	74	79	"	"	5	"	Set port lower & top
8	5 8		"	"	11		30.10	78	78	74	80	"	cir cum	6	"	stunsails, blew up
9	5 6		"	"	11		30.10	78	78	74	80	"	"	5	"	main sail.
10	5 6		"	"	11		30.10	78	79	75	80	"	"	7	"	
11	5 11		"	"	11		30.12	78	79	75	80	"	"	7	"	
Noon.	5 11		"	"	11		30.12	78	79	75	80	"	"	6	"	

Distance run by Log since preceding Noon

125 knots 0 tenths fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

325 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2150 "

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P. M.																	
1	2 78		N. N. W. 3/4 W.	S. E. x S.	11		30.12	78	80	75	80	bc	cir cum & cum	7			Look in port stunsails
2	5 0		"	"	11		30.10	78	80	75	80	"	"	6			set stbd top gall stunsails
3	5 0		"	"	11		30.08	78	80	75	80	"	"	7			
4	5 5		"	"	11		30.06	78	80	75	80	"	"	7			
5	4 0		"	S. E. x E.	3		30.06	78	80	75	80	"	"	7			
6	4 0		"	"	3		30.06	78	80	75	80	"	"	7			
7	4 6		"	"	3		30.06	78	78	74	80	"	"	7			
8	4 0		"	"	3		30.06	78	78	74	80	"	"	8			
9	4 0		"	"	3		30.06	78	78	74	80	"	"	11			
10	5 5		"	"	11		30.08	78	78	74	80	"	"	5			
11	5 6		"	"	11		30.08	78	78	74	80	"	"	8			
Mid.	5 0		"	"	11		30.08	78	78	74	80	"	"	7			

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M<sup>r</sup> Conrick

, U. S. Navy,

Wednesday, December 3d

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commence and until 11 A.M. Weather clear and pleasant, with light breeze from S.E. by S and slowly falling barometer. Vessel on her course through out watch heading N. by N.  $\frac{3}{4}$  W. Aneroid barometer 30.12. Patent log 83 knots

Signed. A. J. L. F. Halpine. Ensign

11 to 8 A.M. Weather clear and pleasant. Gentle to moderate breeze from S.E. and E. Barometer rising. Set port lower and topmast stunsails at 7.45 and hauled up mainsail. Aneroid at end of watch 30.17. Patent log 11.

Signed. C. P. Russ. Lieut

8 A.M. to Meridian. Pleasant weather. Moderate breeze from S.E. by E. Smooth sea. Inspected at quarters at 9.15, after which exercised the Gating Gun. Aneroid barometer 30.11. Patent log 26.

Signed. W. M. Irwin. Lieut

Meridian to 11 P.M. Clear and warm. Moderate S.E. by S. breeze falling barometer. At 12.30 changed course to N by W. Patent log at end of watch 46 miles. Aneroid barometer 30.11.

Signed. W. S. Hannum. Ensign.

11 to 6 P.M. Weather clear and pleasant. Gentle breeze from E.S.E. Barometer steady. At 11.15 mustered at quarters and afterwards exercised shifting main topsail and foresail and handling stunsails on one side. Patent log at end of watch 55 knots. Aneroid barometer 30.14.

Signed. Karl Rohrer. Lieut

6 to 8 P.M. Clear and pleasant with stationary barometer and gentle falling breezes from S.E. and E. Vessel on her course throughout watch heading N by W. Aneroid barometer 30.16. Patent log 63.5 miles.

Signed. A. J. L. F. Halpine. Ensign

8 P.M. to Midnight. Weather clear and pleasant. Bright moonlight. Moderate breeze from S.E. by E. Barometer steady. Aneroid at end of watch 30.18. Patent log 82.5

Signed. C. P. Russ. Lieut

Moon mid  
Dec  
Phase

Examined and found to be correct.

W. Keeney  
Lieut Navigator.



Making passage from St Helena to New York. U.S. of A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	50		N x W.	SE x E.	11		30.08	78	78	76	80	bc	Circum	8	S.	All sq. sail, and all
2	50		"	"	11		30.08	78	78	76	80	"	"	6	"	stb. stunsails
3	48		"	"	11		30.06	77	77	74	80	"	"	8	"	
4	50		"	"	11		30.06	77	77	74	79	"	"	7	"	
5	40		"	"	3		30.06	77	77	74	79	"	"	7	"	
6	46		"	"	3		30.06	77	77	74	79	"	"	7	"	
7	44		"	"	3		30.06	78	77	74	79	"	"	8	"	
8	40		"	"	3		30.08	78	77	74	79	"	"	6	"	
9	36		"	"	2		30.10	78	79	75	80	"	"	7	"	Look in mainsail
10	35		"	"	2		30.12	78	79	75	80	"	"	7	"	
11	34		"	"	2		30.12	78	79	75	80	"	"	6	"	
Noon.	35		"	"	2		30.12	79	80	76	80	"	"	7	"	

Distance run by Log since preceding Noon

108 knots 5 fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

325 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1825 "

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P. M.																	
1	1 <sup>0</sup> 2 <sup>11</sup>	N x W. N 1/2 W.	SE x E	2	30.08	79	80	76	80	bef.	circum	5	S	Furled all sail			
2	4 2	"	"	2	30.08	79	80	75	80	bc	"	6	"				
3	4 5	"	"	2	30.08	79	79	75	80	"	"	8	"	Set plain sail on fore			
4	4 6	"	"	2	30.07	79	79	74	80	"	"	7	"	and all fore and after sail			
5	4 8	"	"	2	30.05	79	79	75	80	"	"	6	"	Set the topmast and			
6	5 0	"	"	2	30.07	79	79	75	80	"	"	7	"	topgall-stunsails			
7	6 0	"	"	2	30.08	79	79	75	80	"	circ	9	"	Set pl. sail on main			
8	8 0	"	"	2	30.06	79	79	75	80	"	"	9	"	except main sail			
9	9 0	"	E x S.	2	30.08	78	78	74	80	"	circum	7	"				
10	9 0	"	"	2	30.10	78	78	74	80	"	"	9	"				
11	8 5	"	"	2	30.10	78	77	74	79	"	circ	9	"	Look in spanker			
Mid.	8 0	"	"	2	30.10	77	77	74	79	"	"	9	"				

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. McCormick  
Thursday, December 11<sup>th</sup>

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commencing and until 4 A.M. Clear, delightful weather, Bright moon-  
light. Moderate breeze from S.E. by E. Smooth sea. Aneroid bar. 30.14.  
Patent log 100.5.

Signed. W. M. Erwin. Lieut

4 to 8 A.M. Clear and pleasant, with stationary barometer, and  
gentle breezes from S.E. by E. Vessel on her course throughout watch  
heading E by N. Aneroid barometer 30.18. Patent log 16.5.

Signed. N. J. L. T. Halpine. Ensign.

8 A.M. to Meridian. Clear and pleasant, Light breeze from S.E. by E.  
Barometer steady. At 9.15 mustered at quarters, afterwards shifted  
fore sail, and main top sail, and unbent fore topmast staysail, and  
main sail. By order of Comdg Officer, Asst Engr J. M. Pickrell was  
released from suspension, and restored to duty. At 9.05 started fires  
under six boilers. Aneroid bar. 30.18. Patent log at end of watch 30 knots.

Signed. Karl Rohrer. Lieut

Meridian to 11 P.M. Clear, warm and pleasant, with stationary baro-  
meter, and gentle breezes from Sd and Ed. At 12.30 changed course  
to N by W. At 1.25 furled all sail, and started ahead under steam. At  
1.55 set fore and aft sail, and all plain sail on the fore. Vessel on her course  
throughout watch. Aneroid bar. 30.12. Patent log 46.5.

Signed. N. J. L. T. Halpine. Ensign.

11 to 6 P.M. Weather clear and pleasant. Gentle breeze from S.E. by E.  
Barometer steady. At 4.25 made sail on main except main sail, and set  
starboard topmast and topgallant stunsails. Mustered at quarters at  
4.45. Aneroid at end of watch 30.13. Steam 31. Rev 23. Patent log 56.

Signed.

G. P. Russ. Lieut

6 to 8 P.M. Clear and pleasant. Gentle breeze from S.E. by E. Smooth sea.  
Connected two after boilers with those in use at 7.20. Aneroid bar. 30.20.  
Patent log 69.5.

Signed. W. M. Erwin. Lieut

8 P.M. to Midnight. Clear and pleasant weather. Light breeze from  
E by S. Barometer steady. Under steam and sail. Steam press. 27 lbs  
and making 24 revolutions. Bright moon and starlight, Smooth  
sea. Aneroid barometer 30.19. Patent log 103 knots.

Signed. Karl Rohrer. Lieut

Moon L. mid Examined and found to be correct.

Dec  
Phase

M. Keeney  
Lieut-3 Navigator.



Making passage from St Helena to New York, U. S. of A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	7 0		N 1/2 W	S E x E	2		30.10	77	77	74	79	bc	cir cum	7	S	all sq. sail except main
2	6 8		"	"	2		30.09	77	77	74	79	"	"	5	"	sail; main try sail and
3	6 14		"	"	2		30.07	77	77	74	79	"	"	6	"	spanker, all other stuns
4	6 14		"	"	2		30.07	77	77	74	79	"	"	7	"	sails except lower
5	6 6		"	S. S. E	2		30.09	77	77	74	79	"	"	6	"	
6	6 8		"	"	2		30.09	77	77	74	79	"	"	7	"	Took in main try sail
7	7 3		"	"	2		30.09	79	77	74	79	"	"	8	"	
8	8 0		"	"	2		30.10	78	78	74	79	"	"	7	"	Set St. d. lower stunsail
9	7 8		"	"	3		30.11	79	79	75	79	"	"	7	"	
10	8 0		"	"	3		30.11	80	80	75	80	"	"	8	"	
11	8 0		"	"	11		30.11	80	80	75	80	"	"	8	"	
Noon.	8 0		"	"	14		30.10	80	80	75	80	"	"	6	"	

Distance run by Log since preceding Noon

162 knots 1 fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

400 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1425 "

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P. M.																
1	14 0		N 1/2 W	S. S. E	11		30.09	79	81	76	80	bc	cir cum	6	S	
2	6 5		"	"	11		30.08	79	81	76	80	"	"	7	"	
3	14 5		"	"	3		30.06	79	81	76	80	"	"	6	"	
4	14 0		"	"	3		30.05	79	81	76	80	"	"	6	"	
5	14 5		"	E x S	3		30.05	79	81	76	80	"	cir & cum	6	"	
6	7 5		"	"	3		30.05	79	81	76	80	"	"	11	"	Took in all stunsail
7	8 0		"	"	3		30.05	79	81	76	80	"	"	11	"	And all sail on main
8	7 8		"	"	2		30.05	79	80	76	80	"	"	5	"	
9	8 0		"	S. E.	2		30.05	80	80	76	80	"	"	7	"	
10	7 8		"	"	2		30.05	80	80	75	80	"	"	6	"	
11	7 8		"	"	2		30.04	79	80	75	80	"	"	6	"	
Mid.	7 6		"	"	2		30.04	79	80	75	80	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander C. H. M. Cornick  
Friday, December 5<sup>th</sup>

, U. S. Navy,

, 1874.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Generally clear and pleasant, with gentle to light breezes from S. and E. Haul'd down head sails. Vessel on her course throughout watch heading N.  $\frac{1}{2}$  W. Av steam 30. Av rows 35. Aneroid barometer 30.14. Patent log 89.

Signed. St. J. L. E. Halpine. Ensign  
4 to 8 A.M. Weather clear and pleasant. Gentle breeze from S. S. E. Barometer rising. At 5.20 took in main topsail. At 6.15 sighted a barge, standing to E. At 7.20 set starboard lower stunsail. Anchored at end of watch 30.18. Steam 34. Rows 38. Patent log 89.

Signed. L. P. Russ. Lieut  
8 A.M. to Meridian. Clear and warm. Moderate breeze from S. S. W. Smooth sea. Exercised at general quarters at 9.15. secured at 9.45. Allowed steam to run down at 11.00. Steam 43 lbs. Rows 40. Aneroid barometer 30.16. Patent log 91.

Signed. W. M. Erwin. Lieut  
Meridian to 11 P.M. Clear and pleasant. Moderate to gentle S. S. E. breeze. Falling barometer. At 12.30 changed course to N.  $\frac{3}{4}$  W. At 1.30 stopped engines and uncoupled propellers. Banked fires. Patent log 13.5. Aneroid barometer 30.10. Spread fires at 3.50.

Signed. W. E. Channing. Ensign  
11 to 6 P.M. Weather clear and pleasant. Gentle breeze from E by S. Barometer steady. At 4.45 mustered at quarters and commenced going ahead with engine. Pressure of steam 43 lbs and making 48 revolutions. Patent log at end of watch 27 knots. Aneroid barometer 30.10.

Signed. Karl Rohrer. Lieut  
6 to 8 P.M. Cloudy and pleasant weather with stationary barometer and gentle breeze from S. and E. Vessel on her course throughout watch heading N.  $\frac{3}{4}$  W. Took in all stunsails and sail on main. Av steam 45 lbs. Av rows 43. Aneroid barometer 30.11. Patent log registered 45.

Signed. St. J. L. E. Halpine. Ensign  
8 P.M. to Midnight. Weather clear and pleasant. Light breeze from S. E. Barometer steady. Aneroid at end of watch 30.12. Steam 43. Rows 43. Patent log 78.8.

Signed. L. P. Russ. Lieut

Moon found Examined and found to be correct.

Dec  
Phase

W. Keeney  
Lieut Navigator.



## LOG of the UNITED STATES

Steamer "Ossia"

3d Rate, 6 Guns,

Making passage from St Helena to New York, U.S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.			BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.	Leeway.	Height in inches.	Ther. att'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	8 0	N 3/4 W	S. E	2			30.01	79	80	75	80	bc	few cum	5	S	All sail on fore
2	7 8	"	"	2			30.01	79	79	75	80	"	"	7	"	
3	7 0	"	"	2			30.01	79	79	75	79	"	"	8	"	
4	7 5	"	"	2			30.03	79	79	75	79	"	"	8	"	
5	6 5	"	"	2			30.01	79	79	75	79	"	"	11	"	
6	7 0	"	"	2			30.02	79	79	76	79	"	"	5	"	
7	7 0	"	"	2			30.03	79	79	76	79	"	"	6	"	
8	7 0	"	"	2			30.01	79	80	76	82	"	"	6	"	
9	7 0	"	E. S. E	3			30.01	80	81	78	82	"	"	5	"	
10	7 0	"	"	3			30.06	82	82	77	82	"	cum & cir cum	11	"	
11	7 0	"	"	3			30.06	82	82	77	82	"	cum, cum & cir cum	3	"	Set fore topstaysail and main topsail and top in all sail on fore
Noon.	6 5	"	E. N. E.	3			30.06	82	82	77	82	bcp	"	2	"	

Distance run by Log since preceding Noon

168 knots 3 fathoms.

Latitude by D. R. at Noon

5° 19' " N

Longitude by D. R. at Noon

32° 03' " W

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

32° 24' 00" W

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

14° 30' " W

Water expended during the preceding 24 hours

1425 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1000 "

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P. M.																
1	6 6	N 3/4 W	E. N. E	1-2			30.01	80	79	76	82	bcp	few cum	2	S	
2	6 4	"	halw	0			30.01	80	79	76	82	bc	"	4	"	
3	6 8	"	"	0			30.01	80	79	76	82	"	"	6	"	
4	7 0	"	"	0			30.01	81	82	76	82	"	"	7	"	
5	7 0	"	"	0			30.01	81	82	78	82	"	cir cum	5	"	
6	7 0	"	"	0			30.01	81	81	77	82	"	"	3	"	
7	7 5	"	N E	102			30.01	81	81	77	82	"	"	5	"	
8	7 5	"	"	0-1			30.06	81	81	77	82	"	"	5	"	
9	7 5	"	E. N. E.	0-1			30.06	82	81	77	81	bc m	few & cir cum	6	"	
10	7 0	"	"	1			30.07	82	81	77	81	bc m l	"	6	"	
11	6 0	"	"	1			30.07	82	81	77	81	bc	"	5	"	Set fore and aft sail
Mid.	7 5	"	"	3			30.06	81	80	77	80	bcp	few cum	3	"	fore sail and top sail

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. B. W. Carmick  
Saturday December 6<sup>th</sup>

, U. S. Navy,

, 1874.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant. Light breeze from S.E. Smooth sea. Steam 43 lbs. 42 revolutions. Aneroid bar. 31. Patent log 167.5.

Signed. W. M. Irwin.

Lieut

4 to 8 A.M. Clear and warm. Light S.E. breeze. Slight rise in barometer. Patent log 35.5. Aneroid barometer 30.12. Air steam 38 lbs. Revs. 38.

Signed. W. G. Hannum.

Ensign

8 A.M. to Meridian. Pleasant weather. Gentle breeze from E.S.E. to E.N.E. Barometer steady. Smooth sea. At 11.45 set jib, fore topmast staysail, and main topmast, look in fore top gallsail, and royal, to a shift of wind, and braced up with port braces. Took in fore top sail, and foresail. Under steam and sail. Steam pressure 40 lbs. making 39 revolutions. Patent log at end of watch 63.5. Aneroid bar. 30.12. Raining last hour of watch.

Signed. Karl Rohrer.

Lieut

Meridian to 12 P.M. Generally clear and warm, with stationary barometer and passing showers first hour. Light airs, and calms. Took in, all fore, and aft sail. Vessel on her course throughout watch heading N.W. Aneroid barometer 30.08. Patent log registered 31. Air steam 39 lbs. Revs. 37.5.

Signed. A. J. L. Walpole.

Ensign

12 to 6 P.M. Weather partly cloudy and pleasant, calm. Barometer steady. Mustered at quarters at 11.45. Aneroid at end of watch 30.09. Steam 39 lbs. Revs. 39. Patent log 105.0

Signed. C. P. Rice.

Lieut

6 to 8. Pleasant weather. Light airs from N.E. Smooth sea. Steam 44 lbs. Revs. 41. Aneroid barometer 30.12. Patent log 20.5.

Signed. W. M. Irwin.

Lieut

8 P.M. to Midnight. Cloudy. Pleasant weather. Light airs from E.N.E. increasing to gentle breeze last hour with passing showers. Steady barometer. At 11.30 made fore, and aft sail, foresail, and fore top sail. Patent log 119. Airs 38.5. Air steam 39 lbs.

Signed. W. G. Hannum.

Ensign

Moon, mid. Examined and found to be correct.

Die  
Phase

W. Keely  
Lieut & Navigator.



Making passage from St Helena to New York, U.S. of A.

Hour.	Knots.	Fathoms.	Course steered.	WIND.		Leeway.	BAROMETR.		TEMPERATURE.			State of the Weather, by symbols.	Form of Clouds, by symbols.	Prep of Clear Sky, in 10ths.	State of the Sea.	Revol of the mill the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at 4.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	4.0		N ½ W	E	3		30.11	78	77	75	80	bc	Blue Ocean	5	S	Up sails, foremast and
2	6.5		"	"	2		30.03	78	77	74	80	bc	Blue Ocean	11	"	fore and aft sail, except
3	7.0		"	"	2		30.03	78	77	74	80	"	"	3	"	flying jib
4	7.0		"	"	2		30.03	79	78	74	80	"	"	11	"	"
5	7.11		"	N 6 ½ E	2		30.02	79	79	76	81	"	"	5	"	"
6	7.6		"	"	3		30.02	79	79	76	81	"	"	11	"	"
7	7.6		"	"	3		30.12	79	79	76	81	"	"	11	"	Set flying jib
8	7.8		"	E 6 ½ E	3		30.11	79	79	75	81	"	"	3	"	Set topgallant & royals
9	8.0		N ½ W	"	3		30.05	79	79	75	81	"	"	11	"	"
10	7.8		"	"	3		30.05	79	79	75	81	"	"	3	"	"
11	8.0		"	N 6 ½ E	3		30.05	79	79	75	81	"	"	3	"	"
Noon.	8.0		"	"	3		30.05	79	79	75	81	"	"	2	"	"

Distance run by Log since preceding Noon

17.3 knots 3 fathoms

Latitude by D. R. at Noon

8.04 " N

Longitude by D. R. at Noon

33.27 "

Latitude by Observations at Noon ⊙

- - - - "

Longitude by Chronometer from Forenoon Observations ⊙

33.48.00 " W

Current during the time 21 knots fms. per hour, setting to the West

687 Variation of the Compass by Amplitude ⊙ observed at Sunrise

- - - - "

Variation of the Compass by Azimuth ⊙ observed at 8 A.M.

14.30 " W

Water expended during the preceding 24 hours

1100 gallons.

Water distilled during the preceding 24 hours

720 "

Water remaining on hand fit for use at Noon

1320 "

Coal consumed during the preceding 24 hours

15 tons 1800 lbs.

Coal remaining on hand at Noon

91 " 332 "

P. M.																
1	8.0		N ½ W	N 6 ½ E	5		30.04	78	77	74	81	bc	Blue Ocean	1	S	
2	6.11		N ½ W	"	11		30.02	78	78	74	81	"	"	1	"	
3	9.0		"	"	3		30.02	79	79	75	81	"	"	1	"	
4	7.6		N ½ W	"	3		30.02	79	79	75	81	"	"	1	"	
5	8.0		"	"	3		30.04	79	79	75	81	bc	"	0	"	
6	7.5		"	"	2		30.04	79	79	75	81	"	"	0	"	Look in square sail
7	7.0		"	E	2		30.04	79	79	76	81	ocl	Blue Ocean	0	"	Look in sprantles
8	7.0		"	"	2		30.04	79	79	76	81	bc	Circum	6	"	
9	7.2		"	"	3		30.11	79	79	76	81	"	"	5	"	
10	7.6		"	N 6 ½ E	3		30.11	79	79	76	81	bc	"	11	"	
11	7.6		"	"	3		30.05	79	79	76	81	"	"	5	"	Look in fly jib, main
Mid.	8.0		"	"	3		30.05	79	79	76	81	"	"	7	"	sail to topgallant

Longitude by Chronometer from Afternoon Observations ⊙

- - - - "

Longitude by Chronometer from Observations \*

- - - - "

Variation of the Compass by Amplitude observed at Sunset

- - - - "

Variation of the Compass by at

- - - - "



under the command of

Commander A. H. M<sup>o</sup> Connick  
Sunday, December 7<sup>th</sup>

, U. S. Navy,

1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Pleasant weather. Light to gentle breeze from E. Under steam and sail. Barometer falling slowly. Steam press. 44 lbs and making 39 revolutions. Patent log at end of watch 77.5 knots. Aneroid barometer 30.08.

Signed, Karl Rohrer, Lieut

11 to 8 A.M. Cloudy and pleasant weather. Made light A & E trades, fresh-ening towards close of watch. At 6.20 commenced distilling. Vessel on her course throughout watch heading N.  $\frac{3}{4}$  W. Set top gallant sails, royals and flying jib. Aneroid bar. 30.14. Patent log 9 knots. Steam 44. Revs 39.5

Signed, M. J. L. J. Halpine, Ensign

8 A.M. to Meridian. Weather cloudy and pleasant, Gentle breeze from N.E. & E. Barometer steady. Called all hands to muster at 9.15; read Articles for the Better Government of the Navy, and mustered the crew. Changed course at 8.05 to N. N.W. Aneroid at end of watch 30.12. Steam 44.3. Revs. 43. Patent log 41.5.

Signed, C. P. Ault, Lieut

Meridian to 11 P.M. Cloudy but pleasant. Fresh breeze from N.E. first hour, fall-might remainder of watch. At 12<sup>00</sup> changed course to N.W. by N, patent log 44.5. At 12.15 took in royals and flying jib, the wind having freshened materially. At 1.25 let feris run down. Set royals and flying jib the wind falling light. At 2.37 stopped steaming and set 4th top gallant stunsails. At 2.50 started engine again and changed course to N. N.W. Patent log 65.5. Took in top gallant stunsails at 2.56. Steam 45 lbs. Revs. 45. Aneroid bar. 30.11. Patent log 75.

Signed, W. H. Irwin, Lieut

11 to 6 P.M. Cloudy Pleasant. Very light N.E. breeze. Furlled sail except fore and aft sails. Steam 38. Revs. 39.5. Patent log 9. Aneroid barometer 30.14.

Signed, W. S. Hannum, Ensign

6 to 8 P.M. Weather pleasant, Light breeze from E. Barometer steady. Under steam and fore and aft sail. Steam pressure 39 lbs, making 39 revolutions. Patent log at end of watch 14 knots. Aneroid barometer 30.17.

Signed, Karl Rohrer, Lieut

8 P.M. to Midnight. Fair and pleasant with stationary barometer and occasional lightning from N.W. to E. first hour. Made plain sail to top gallant sails and hauled down flying jib to moderate breeze from N.E. Aneroid barometer 30.17. Patent log 31 knots. Steam 39. Revs 38. Distilling.

Signed, M. J. L. J. Halpine, Ensign

Moored and Examined and found to be correct.

Dec  
Phase

W. Keegan  
Lieut-3 Navigator.



LOG of the UNITED STATES

Steamer "Essie"

3d Rate, 6 Guns,

Making passage from St Helena to New York, U.S. of America

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air Dry Bulb.	Air Wet Bulb.	Water at surface.					
A. M.																
1	9 0		N. N. W.	N. E.	4		30.05	81	80	76	81	bc	ci cum few mists	11	8	Plain sail to topgallants
2	8 0		"	E. S. E.	4		30.05	81	80	76	81	"	"	5	"	mainsail
3	9 0		"	"	4		30.05	80	80	76	81	"	"	5	"	
4	9 0		"	"	4		30.05	80	80	76	81	"	"	11	"	
5	9 11		"	N. E. x E.	4		30.06	80	80	76	81	"	"	5	"	S. royals & topgallants
6	8 0		"	E. S. E.	4		30.08	80	80	76	81	"	"	6	"	
7	7 0		"	"	4		30.08	80	80	76	81	"	"	5	"	
8	6 8		"	"	5		30.08	80	80	76	81	"	"	6	"	
9	5 5		N. W. x N.	"	5		30.10	80	80	76	81	"	ci & cum	7	"	
10	7 5		"	"	5		30.10	80	80	76	81	"	"	7	"	
11	7 5		"	"	4		30.10	80	80	76	81	"	"	6	"	
Noon.	6 5		"	"	4		30.10	81	81	76	81	"	"	7	"	

Distance run by Log since preceding Noon

186 knots 8 tenths fathoms.

Latitude by D. R. at Noon

10° 29' "

Longitude by D. R. at Noon

35° 46' "

Latitude by Observations at Noon ☉

10° 29' 00" A

Longitude by Chronometer from Forenoon Observations ☉

35° 36' 00" W.

Current during the time 10 knots — fms. per hour, setting to the East

Variation of the Compass by Amplitude ☉ observed at Sunrise

0° "

Variation of the Compass by Azimuth ☉ observed at Sun

15° 18' "

Water expended during the preceding 24 hours

350 gallons.

Water distilled during the preceding 24 hours

1780 "

Water remaining on hand fit for use at Noon

2950 "

Coal consumed during the preceding 24 hours

13 tons 180 lbs.

Coal remaining on hand at Noon

78 " 152 "

P. M.																	
1	6 0		N. W. x N.	E. S. E.	4		30.10	81	81	76	81	bc	ci cum	6	8		
2	6 0		"	"	4		30.09	81	81	76	81	"	"	5	"		
3	5 6		"	"	4		30.08	81	81	76	81	"	"	7	"		
4	5 8		"	"	4		30.07	81	81	76	81	"	"	6	"		
5	5 8		"	"	4		30.09	81	82	77	81	"	ci cum	11	"		
6	6 0		"	"	4		30.08	81	82	77	81	"	"	3	"		
7	6 11		"	E. x N.	4		30.08	81	81	76	81	"	ci cum	6	"		Look in fore top/ stage
8	7 2		"	"	5		30.08	81	80	76	81	"	"	7	"		And sprinker, set at
9	8 0		"	"	5		30.09	80	79	76	81	"	"	5	"		lower stowail.
10	7 5		"	"	5		30.09	80	80	76	80	"	"	5	"		
11	7 5		"	"	5		30.09	80	80	76	80	"	"	6	"		
Mid.	7 0		"	"	5		30.09	80	80	76	80	"	"	6	"		

Longitude by Chronometer from Afternoon Observations ☉

0° "

Longitude by Chronometer from Observations \*

0° "

Variation of the Compass by Amplitude observed at Sunset

0° "

Variation of the Compass by

at

0° "



under the command of

Commander A. H. M. Cornick  
Monday, December 8<sup>th</sup>

, U. S. Navy,

1884

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather clear and pleasant, Bright moonlight. Moderate breeze from E. N. E. Smooth sea, Barometer steady. Aneroid at end of watch 30.12. Steam 143. Revs. 43. Patent log 70. Distilling.

Signed: L. P. Russ. Lieut  
11 to 8 A.M. Pleasant weather. Moderate breeze from N. E. by E. hauling to E. N. E. and freshening. At 11.10 set royals and starboard stunsails except lower. At 5.45 stopped steam, uncoupled propellers and hauled fires except those under distilling boilers. Aneroid barometer 30.16. Patent log 100.5.

Signed: W. M. Irwin. Lieut  
8 A.M. to Meridian. Clear and warm. Moderate breeze from E. N. E. Slight rise in barometer. At 8.30 changed course to N. W. by N. At 9.15 mustered at quarters, exercised divisions with revolvers. Thomas Thornton, (2d Mach) reported expiration of enlistment. Got up and bent single reefed mainsail. Patent log 29. Aneroid bar 30.17.

Signed: W. E. Wherrum. Ensign  
Meridian to 11 P.M. Weather clear and pleasant, Moderate breeze from E. N. E. Barometer falling. Smooth sea. Observed tide rips to the N. and E. Patent log at end of watch 53.5 knots. Aneroid barometer 30.11.

Signed: Karl Rohrer. Lieut  
11 to 6 P.M. Fair and pleasant with moderate breeze from E. Vessel on her course throughout watch heading N. W. by N. At 4.45 held evening quarters, afterwards fire quarters, times, - really 1m 20 sec. secured 1m 40 sec. Aneroid barometer 30.11. Patent log 65.

Signed: A. J. L. E. Halpin. Ensign  
6 to 8 P.M. Weather generally clear and pleasant with rain squalls around the horizon. Barometer steady. Moderate breeze from E by N. At 6.45 took in fore topmast staysail and spanker and set starboard lower stunsail. Aneroid at end of watch 30.18. Patent log 79.

Signed: L. P. Russ. Lieut  
8 P.M. to Midnight. Pleasant weather. Moderate breeze from E by N. Smooth sea. Aneroid barometer 30.16. Patent log 9.

Signed: W. M. Irwin. Lieut

Moon Land  
Dec  
Phase

Examined and found to be correct.

W. K. Rogers

Lieut 8 Navigator



LOG of the UNITED STATES

Steamer Essex

3d Rate, 6

Guns,

Making passage from St Helena to New York. U.S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	6 0		NW x N.	E x N.	5		30.06	80	80	76	80	bed	circum	14	5	All plain sail, and
2	6 0		"	"	5		30.06	80	79	76	80	bc	"	3	"	Starboard stunsails
3	7 5		"	NE x E.	5		30.04	80	79	76	80	"	"	3	"	Look in lower stunsails
4	7 5		"	"	5		30.04	80	77	75	80	"	"	2	"	
5	7 5		"	E. x E.	5		30.03	76	77	75	80	ocp.	cum	0	"	
6	6 8		"	S.E.	2-5		30.02	78	76	75	80	ocrg	"	0	"	
7	7 0		"	NE x E.	4-6		30.02	78	76	75	80	bcg	cum	2	"	Set fore, topst staysail
8	7 5		"	"	5-6		30.02	78	76	75	80	"	"	2	"	
9	9 0		"	E. x E.	6		30.06	80	78	75	79	bc	"	14	"	Hauled down flying jib
10	9 0		NW	"	6		30.09	79	78	75	79	"	"	14	"	and fore, topst staysail and
11	8 6		"	"	6		30.09	79	79	75	79	"	"	6	"	Set lower stunsails
Noon	10 0		"	"	6		30.07	79	79	75	79	"	"	7	"	

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time 16 knots fms. per hour, setting to the N. 62° W.

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at 8 am

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

171 knots 2 tenths

12° 17'

37° 46'

12° 24'

38° 00'

350 gallons.

2600 "

tons 400 lbs.

77 " 1992 "

P. M.																	
1	8 6		NW	E x E	5		30.08	79	80	75	80	bc	circum	7	M		
2	8 11		"	"	5		30.07	79	79	74	80	"	"	6	"		
3	8 11		"	"	5		30.06	79	79	74	80	"	"	5	"		
4	8 6		"	"	5		30.05	79	79	74	80	"	"	5	"		
5	8 8		"	"	5		30.05	79	79	74	80	"	"	11	"		
6	8 6		"	NE.	5		30.06	79	79	74	80	"	"	5	"		Look in lower stunsails,
7	8 0		"	"	5		30.06	79	79	74	80	"	"	11	"		set flying jib and fore
8	8 0		"	"	5		30.09	79	78	74	80	"	"	6	"		topst staysail.
9	8 0		"	"	5		30.09	80	78	73	80	"	"	8	"		
10	8 0		"	"	5		30.10	79	78	73	80	"	"	5	"		
11	8 0		"	"	5		30.10	79	78	73	80	"	"	6	"		
Mid.	8 5		"	"	5		30.10	79	78	73	80	"	"	9	"		

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by

at



under the command of

Commander A. H. M<sup>o</sup> Conrick  
Tuesday, December 9<sup>th</sup>

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Cloudy overcast. Fresh E by N breeze shifting to N E by E. Occasional light rain squalls. Slight fall in barometer. At 3.30 took in lower stunsail. Patent log 36. Aneroid barometer 30.14.

Signed, W. G. Hamnum. Ensign.

11 to 8 A.M. Weather squally and rainy first part of watch, clearing latter part. Light to fresh breeze in squalls from E N E to N E by E. Barometer steady. Smooth sea. At 6.15 let fore topmast staysail. Patent log at end of watch 64 knots. Aneroid barometer 30.19.

Signed, Karl Rohrer. Lieut.

8 A.M. to Meridian. Fair and pleasant with fresh breeze from N and N E. At 9.04 changed course to N W. At 9.15 inspected at quarters and exercised 1st and 3d divisions at infantry and 2d at single sticks. Hauled down flying jib and fore topmast staysail and set lower stunsail. Vessel on her course through out watch. Aneroid barometer 30.17. Patent log 96.

Signed, A. J. F. Halpin. Ensign.

Meridian to 11 P.M. Clear and pleasant, with light breeze from E N E. Falling barometer. Got up and rove off preventer for and fore topsail braces. At 3.36 sighted a brigantine off starboard bow standing to Sd. Hoisted colors. Aneroid 30.14 at end of watch. Patent log 29.

Signed, A. P. Riss. Lieut.

11 to 6 P.M. Pleasant weather. Fresh breeze from E. N. E. hauling to N. E. Mustered at quarters at 4.45. At 5.20 took in lower stunsail and set flying jib and fore topmast staysail. Aneroid bar. 30.19. Patent log 49.

Signed, W. M. Smith. Lieut.

6 to 8 P.M. Cloudy. Pleasant. Fresh N E breeze. Rising barometer. Patent log 61 miles. Aneroid barometer 30.20.

Signed, W. G. Hamnum. Ensign.

8 P.M. to Midnight Clear and pleasant. Fresh breeze from N E. Barometer steady. Bright starlight. Smooth sea. Patent log at end of watch 92.5 miles. Aneroid barometer 30.20.

Signed, Karl Rohrer. Lieut.

Moon 1 mid  
Dec  
Chase

Examined and found to be correct.

M. Kuegler

Lieut. 8 Navigator.



## LOG of the UNITED STATES

Steamer *Essex*

3d Rate, 6 Guns,

Making passage from St Helena to New York. U.S. of A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear sky, in fths.	State of the Sea.	Reel of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at/d.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	88		NW	NE	5		30.09	79	78	73	79	bc	cir cum	4	S	Squaresail, jib, and
2	88		"	"	5		30.09	79	78	73	79	"	"	4	"	for topst staysail
3	88		"	"	5		30.08	78	77	72	79	"	"	6	"	all starboard stuns
4	86		"	"	5		30.08	78	77	72	79	"	"	6	"	
5	80		"	ENE	5		30.07	78	77	72	79	"	"	7	"	
6	82		"	"	5		30.07	78	77	72	79	"	"	7	"	
7	80		"	"	5		30.07	78	77	72	79	"	"	6	"	
8	80		"	E x N	5		30.09	79	78	72	79	"	"	5	"	
9	78		"	ENE	5		30.10	79	78	72	79	"	"	6	"	
10	74		"	"	11-5		30.10	80	78	72	79	"	"	11	"	
11	75		"	"	11-5		30.10	80	78	72	79	"	"	11	"	
Noon.	80		"	"	5		30.12	79	78	72	79	"	"	2	"	

Distance run by Log since preceding Noon

197 knots 8 fms

Latitude by D. R. at Noon

14° 05' "

Longitude by D. R. at Noon

40° 46' "

Latitude by Observations at Noon

14° 03' "

St

Longitude by Chronometer from Forenoon Observations

41° 06' "

W

Current during the time 21 knots fms. per hour, setting to the N. 61° W

Variation of the Compass by Amplitude observed at Sunrise

0° "

Variation of the Compass by Azimuth observed at 9 A.M.

14° "

Water expended during the preceding 24 hours

1100 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2200 "

Coal consumed during the preceding 24 hours

tons 400 lbs.

Coal remaining on hand at Noon

77 " 1592 "

P. M.																
1	65		NW x NE	ENE	11		30.11	78	78	73	79	bc	cum	2	S	
2	55		"	"	11		30.09	78	78	73	79	"	"	3	"	
3	60		"	"	11		30.08	78	78	73	79	"	"	1	"	
4	60		"	"	11		30.08	78	78	73	79	"	"	1	"	
5	45		"	"	2		30.08	79	78	73	79	oc	"	0	"	
6	50		"	"	2		30.08	79	78	73	79	"	"	0	"	
7	56		"	"	3		30.08	79	78	73	79	"	"	0	"	
8	58		"	"	11		30.09	79	78	73	79	"	"	0	"	
9	60		"	"	11		30.11	80	78	74	79	"	"	0	"	
10	65		"	"	11		30.11	80	78	74	79	"	"	0	"	
11	65		"	"	11		30.09	80	78	74	79	"	"	0	"	
Mid.	67		"	"	11		30.09	79	78	74	79	"	"	0	"	

Longitude by Chronometer from Afternoon Observations

0° "

Longitude by Chronometer from Observations

0° "

Variation of the Compass by Amplitude observed at Sunset

0° "

Variation of the Compass by at

0° "



under the command of

Commander A. H. McCormick

, U. S. Navy,

Wednesday, December 10<sup>th</sup>

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant with fresh breeze from Sd and Ed, Vessel on her course throughout watch heading NW. Hauled down flying jib. Aneroid barometer 30.19. Patent log 24.

Signed. A. J. L. J. Halpine. Ensign  
4 to 8 A.M. Weather clear and pleasant, Moderate breeze from Sd and Ed, Barometer rising. Aneroid at end of watch 30.22. Patent log 35.

Signed. W. P. Russ. Lieut  
8 A.M. to Meridian. Cloudy and pleasant with moderate to stiff breeze from E. N. E. At 9.35 sighted a barque on starboard quarter standing to Sd and Ed, Aneroid 30.19. Patent log 54. At 12 by order of Commanding Officer changed course to NW by N<sup>1</sup>/<sub>2</sub> W.

Signed. W. M. Irwin. Lieut  
Meridian to 1 P.M. Cloudy hazy weather. Moderate E. N. E. breeze. Falling barometer. At 12.15 set starboard lower stunsail. Patent log 7.8. Aneroid barometer 30.18.

Signed. H. E. Hannum. Ensign  
1 to 6 P.M. Weather cloudy but pleasant, Light breeze from E. N. E. Barometer steady. Smooth sea. At 4.45 mustered at quarters. Aneroid barometer 30.20. Patent log at end of watch 17 knots.

Signed. Karl Rohrer. Lieut  
6 to 8 P.M. Cloudy pleasant weather with light to gentle breeze from N<sup>1</sup>/<sub>2</sub> and Ed, Vessel on her course throughout watch heading NW by N<sup>1</sup>/<sub>2</sub> W. Aneroid barometer 30.20. Patent log 28 knots.

Signed. A. J. L. J. Halpine. Ensign  
8 P.M. to Midnight. Weather overcast and pleasant, Moderate breeze from N<sup>1</sup>/<sub>2</sub> and Ed, Barometer steady. Aneroid at end of watch 30.19. Patent log 56.5 knots.

Signed. W. P. Russ. Lieut

Moon and  
Dec  
Phase

Examined and found to be correct.

M. Keegan

Lieut & Navigator.



LOG of the UNITED STATES

Steamer "Essex"

32 Rate, 6

Guns,

Making passage from St Helena to New York, U.S.S.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	7 2	44	NE 1/4 N	ENE	5		30.09	79	78	73	77	bc	circum	3	8	Fore kept stayt and
2	7 2	"	"	"	5		30.09	79	78	73	77	"	"	4	"	Square sails.
3	6 4	"	"	"	5		30.09	78	77	73	77	"	"	5	"	
4	6 8	"	"	"	11		30.06	78	77	73	77	"	"	6	"	
5	6 5	"	"	"	11		30.06	78	77	73	77	"	"	5	"	
6	6 5	"	"	"	12		30.07	78	77	73	77	"	circum	14	"	
7	7 0	"	"	"	12		30.08	78	78	73	77	"	"	14	"	
8	6 0	"	"	"	11		30.09	78	78	74	77	"	circum	5	"	
9	5 5	"	"	"	3		30.09	78	78	74	77	"	"	5	"	
10	5 2	"	"	"	3		30.10	78	79	74	77	"	"	6	"	
11	5 0	"	"	"	3		30.10	78	78	74	77	"	"	6	"	
Noon.	5 0	"	"	"	3		30.10	79	80	75	77	"	"	5	"	

Distance run by Log since preceding Noon

14 1/2 knots 9 fathoms.

Latitude by D. R. at Noon

14° 43'

Longitude by D. R. at Noon

43° 35'

Latitude by Observations at Noon ☉

14° 44'

Longitude by Chronometer from Forenoon Observations ☉

43° 35'

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

0° 1'

Variation of the Compass by Azimuth ☉ observed at 8 Am

13° 28'

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1900 "

Coal consumed during the preceding 24 hours

tons 400

Coal remaining on hand at Noon

77 " 1192 "

P. M.																	
1	4 8	44	NE 1/4 N	ENE	3		30.10	79	81	75	77	bc	circum	6	8		
2	4 4	"	"	"	3		30.10	79	82	76	77	"	"	3	"		
3	5 0	"	"	"	3		30.10	79	78	74	77	bc	circum	0	"		Look in lower stunsail
4	3 2	"	SE by E	"	2		30.08	78	78	74	77	bc	"	1	"		
5	3 0	"	"	"	2		30.07	78	78	74	77	"	"	2	"		
6	4 0	"	ENE	"	2		30.08	78	78	74	77	"	"	1	"		
7	4 6	"	E	"	3		30.10	78	78	74	77	bc	"	0	"		
8	4 8	"	SE	"	3		30.10	78	78	74	77	bc	"	2	"		
9	5 0	"	SE by E	"	3		30.10	78	78	74	77	"	"	2	"		Set port stunsails
10	4 0	"	"	"	2		30.10	78	78	74	77	"	"	3	"		for top gallant
11	3 5	"	"	"	2		30.10	78	78	74	77	"	"	3	"		
Mid.	3 5	"	"	"	2		30.13	78	79	75	77	"	"	5	"		

Longitude by Chronometer from Afternoon Observations ☉

0° 1'

Longitude by Chronometer from Observations \*

0° 1'

Variation of the Compass by Amplitude observed at Sunset

0° 1'

Variation of the Compass by at

0° 1'



under the command of

Commander A. H. M. Conrick

, U. S. Navy,

Thursday, December 11th

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Generally cloudy. Moderate breeze from E. N. E. Long swell from S. and E. ship rolling deeply at times. Aneroid barometer 30.16 Patent log 85.5

Signed.

W. M. Swin.

Lieut

11 to 8. A.M. Partly cloudy. Warm and pleasant. Moderate S. N. E. breeze. Slight rise in barometer. Patent log 12 miles. Aneroid bar. 30.21. Pumped ship out.

Signed.

W. S. Hannum.

Ensign

8 A.M. to Meridian. Weather clear and pleasant. Gentle breeze from E. N. E. Barometer steady. At 9.15 mustered and inspected at quarters having divisional drills afterwards. All the boarders and officers fired at a target with revolvers. Patent log at end of watch 33.5 knots. Aneroid barometer 30.20.

Signed.

Karl Rohrer.

Lieut

Meridian to 11 P.M. Cloudy and pleasant with light rain squalls three hours of watch. Took in lower stunsail. Vessel on her course throughout watch heading N. W. by W.  $1/2$  W. Aneroid bar. 30.17 Patent log 81. Exercised Navigators Division at pistol practice.

Signed.

A. J. L. E. Halpin.

Ensign

11 to 6. P.M. Weather cloudy and pleasant. Light breeze from S. and E. Rain squalls about the horizon. Barometer steady. Mustered at quarters at 11.45. At 11.48 exercised at reefing topsails. At 5.00 shook out reefs and made sail. At 5.20 set lower stunsail. Aneroid 30.19. Patent log 58.

Signed

B. P. Aus.

Lieut

6 to 8. P.M. Mostly cloudy. Light breeze from East hauling to S. E. Smooth seas. Aneroid barometer 30.20 Patent log 86.

Signed.

W. M. Swin.

Lieut

8 P.M. to Midnight. Cloudy. Pleasant. Light S. E. by E breeze. Slight rise in barometer. Set all port stunsails except fore top gallant. Patent log 81. Aneroid barometer 30.18.

Signed.

W. S. Hannum.

Ensign

Moon & mid  
Dec  
Phase

Examined and found to be correct.

M. K. Rogers

Lieut Navigator.



## LOG of the UNITED STATES

Steamer "Essie" 3d Rate, 6 Guns,  
Making passage from St Helena to New York. U.S. of A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	3 5	14 1/2	N 1/2 W	SSE	2		30.10	78	79	76	79	bc	Cir Cum	7	S	Alleguare sail except on main
2	3 5	"	"	"	2		30.08	78	79	76	79	"	Cir	8	"	sail. All stunsails except
3	3 5	"	"	"	2		30.07	78	79	76	79	"	"	9	"	port fore top gal stunsail
4	3 5	"	"	"	2		30.06	78	79	76	79	"	"	9	"	"
5	3 11	"	"	SSE	2		30.04	78	79	75	79	"	"	7	"	"
6	3 2	"	"	"	2		30.08	78	79	75	79	"	"	6	"	"
7	3 11	"	"	"	2		30.08	78	79	75	79	"	"	14	"	"
8	3 6	"	"	"	2		30.08	78	79	75	79	"	"	6	"	"
9	3 6	"	"	"	2		30.10	78	78	73	79	"	Cir cum	7	"	"
10	3 0	"	"	"	2		30.10	78	78	73	79	"	"	8	"	"
11	2 8	"	"	"	2		30.10	78	79	74	80	"	"	8	"	"
Noon.	2 5	"	"	"	2		30.10	78	80	75	80	"	"	8	"	"

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time 6 knots fms. per hour, setting to the W

715 Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at 8 am

Water expended during the preceding 24 hours

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

89 knots 3 fathoms.

15° 9' "

45° 08' "

15° 09' "

45° 02' "

0' "

11° "

350 gallons.

53 "

1550 "

tons 400 lbs.

77 " 792 "

P. M.																
1	2 6	14 1/2	N 1/2 W	SSE	2		30.07	78	80	75	80	bc	Cir Cum	7	S	
2	2 8	"	"	"	2		30.07	78	81	75	80	"	"	8	"	
3	3 0	"	"	"	2		30.07	78	81	75	80	"	"	8	"	
4	3 0	"	"	"	2		30.07	78	81	75	80	"	"	7	"	
5	3 0	"	"	"	2		30.04	79	80	74	80	"	"	8	"	
6	3 0	"	"	"	2		30.05	79	80	74	80	"	"	7	"	
7	2 0	"	"	SSE	2		30.05	79	80	74	80	bc	"	9	"	
8	2 0	"	"	"	2		30.06	79	80	74	80	"	"	9	"	
9	3 6	"	"	"	2		30.08	79	79	74	80	"	Cir Cum (more)	7	"	
10	3 6	"	"	"	2		30.10	79	79	74	80	"	"	6	"	
11	1 0	"	"	"	3		30.10	79	79	74	80	bc	"	6	"	
Mid.	5 0	"	"	"	3		30.10	79	78	74	80	"	"	6	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander A. H. M<sup>o</sup> Cornick  
Friday, December 12.

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant weather. Light breeze from S. S. E. Barometer falling slowly. Smooth sea. Bright moon and starlight. Patent log at end of watch 9.4 knots. Aneroid barometer 30.14.

Signed. Karl Rohrer. Lieut.  
4 to 8 A.M. Generally clear and pleasant with light breezes from S. S. E. vessel on her course throughout watch heading N.W. by W. At daylight made a small barque on starboard beam standing to S.W. Aneroid barometer 30.19. Patent log registered 107.5 knots.

Signed. St. J. L. F. Halpin. Ensign  
8 A.M. to Meridian. Clear and pleasant with light S. S. E. breeze. At 9.30 went to general quarters and exercised without powder. Barque in sight on starboard quarter, hoisted colors at 9.15. Patent log 20. Aneroid bar. 30.15.

Signed. E. P. Aus. Lieut.  
Meridian to 4 P.M. Clear and pleasant, gentle breeze from S. S. E. Smooth sea, Aneroid barometer 30.18. Patent log 24.

Signed. W. M. Irvine. Lieut.  
4 to 6 P.M. Clear and pleasant, light S. S. E. breeze. Slight fall in barometer. At 4.45 mustered at quarters. Patent log 30. Aneroid barometer 30.12.

Signed. St. J. Hammann. Ensign  
6 to 8 P.M. Clear and pleasant weather. Light breeze from S. E. by S. Barometer steady. Smooth sea; lightning to the N<sup>o</sup> and W<sup>o</sup>. Aneroid at end of watch 30.17. Patent log 41 knots.

Signed. Karl Rohrer. Lieut.  
8 P.M. to Midnight, Fair and pleasant with light freshening breeze from S.W. and S. Look in, and set all port stunsails to light shift of wind. Occasional lightning to S.W. first two hours. Vessel on her course throughout watch heading N.W. by W. Aneroid barometer 30.16. Patent log 56 knots.

Signed. St. J. L. F. Halpin. Ensign

Moon & mid  
Dec  
Phase

Examined and found to be correct.

W. Keegan

Lieut. Navigator.



LOG of the UNITED STATES

Steamer Essex

3d

Rate,

6

Guns,

Making passage from St Helena to New York U.S. of America.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	6 0	NW + NW 1/4 N.	SE x S.	3			30.08	79	78	74	80	bcl	cir cum	5	S	All plain sail to topgalls
2	14 0	N	Var	3			30.05	79	78	74	80	bcl	cum pmb	0	"	except mainsail
3	7 0	NW + NW 1/4 N	N E.	5			30.05	79	74	74	80	oc	"	0	"	
4	7 2	"	"	5			30.05	76	74	71	80	bc	cir cum	3	"	Set main sail, royals and
5	7 0	"	SE x S	14			30.05	76	74	71	79	"	"	7	"	spanker.
6	14 0	"	SE x S.	3			30.05	76	74	71	79	"	"	7	"	Took in spanker
7	5 0	"	"	3			30.06	76	74	71	79	"	"	6	"	Set fore staysails and
8	6 0	"	SE x S.	14			30.09	76	74	71	79	"	"	14	"	lower
9	5 5	"	SE x S.	14			30.10	77	77	73	79	"	cir cum pmb	3	"	
10	5 5	"	"	14			30.12	77	78	74	80	"	"	5	"	
11	5 0	"	"	14			30.12	77	78	74	80	"	"	6	"	
Noon.	14 8	"	"	14			30.12	78	79	74	80	"	"	14	"	

Distance run by Log since preceding Noon

114 knots 6 fathoms.

Latitude by D. R. at Noon

15° 41' "

Longitude by D. R. at Noon

46° 52' "

Latitude by Observations at Noon ☉

0' "

Longitude by Chronometer from Forenoon Observations ☉

46° 58' "

Current during the time 6 knots fms. per hour, setting to the Wd

716 Variation of the Compass by Amplitude ☉ observed at Sunrise

0' "

Variation of the Compass by Azimuth ☉ observed at 8 A.M.

10° 50' "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1200 "

Coal consumed during the preceding 24 hours

tons 400 lbs.

Coal remaining on hand at Noon

77 " 392 "

P. M.																	
1	5 0	NW 1/4 N	SE x E	3	30.11	78	78	73	80	ocn	cir cum 8 mumb	0	S	Took in all staysails			
2	5 2	NW 1/4	"	3	30.09	74	78	73	80	ocd	"	0	"				
3	5 0	"	S	3	30.08	74	78	73	80	bc	cir cum 5 cum	2	"				
4	4 8	"	"	3	30.07	74	78	73	80	"	"	1	"	Set the clew of mainsail			
5	4 5	"	"	3	30.08	74	78	73	80	ocn	cum 8 mumb	0	"				
6	5 5	"	"	3	30.08	74	78	73	80	red	"	0	"				
7	5 5	"	SE x S	3	30.08	75	75	71	80	"	"	0	"				
8	6 0	"	S	14	30.09	76	74	70	80	"	"	0	"				
9	8 0	"	S. S. E	5	30.10	76	74	70	80	ocn	"	0	"	Set fore topstaysail			
10	8 0	"	"	5	30.11	76	74	70	79	belh	"	1	"				
11	7 0	"	"	4	30.12	76	74	70	79	bcl	"	11	"				
Mid.	6 8	"	SE.	14	30.12	76	74	70	79	"	"	5	"	Hauled up mainsail			

Longitude by Chronometer from Afternoon Observations ☉

0' "

Longitude by Chronometer from Observations \*

0' "

Variation of the Compass by Amplitude observed at Sunset

0' "

Variation of the Compass by at

0' "



under the command of

Commander A. H. McCormick

, U. S. Navy,

Saturday, December 13<sup>th</sup>

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 P.M. Weather unsettled, squally and rainy during first part of watch with sudden shifts of wind. Growing settled latter part with NE trades. At 1.35 took in all stunsails and royals and set fore topmast staysail. At 3.35 set mainsail, royals, flying jib and spanker. Aneroid at end of watch 30.16.

Signed.

L. P. Rus.

Lieut

4 to 6 A.M. Partly cloudy, clearing. Moderate breeze from ENE. hauling gradually to SE. Smooth sea. At 4.31 braced in, and set starboard stunsails took in spanker, flying jib and fore topmast staysail. At 7.15 laid the yards square and set port stunsails; hauled up mainsail. Aneroid bar 30.20. Patent log 99.

Signed.

W. M. Irwin.

Lieut

6 A.M. to Meridian. Cloudy, Pleasant, Moderate SE by E breeze. Slight rise in barometer. At 9.15 inspected at quarters. Patent log 17.5. Aneroid barometer 30.20.

Signed.

W. G. Hannum

Ensign

Meridian to 4 P.M. Weather unsettled and rainy. Gentle breeze from S to SE by E. Barometer falling. At 1. changed course to NNE by order of Captain, and took in the starboard stunsails. Paid monthly money to crew. Patent log 38. knots. Aneroid bar. 30.17.

Signed.

Harold Rohrer.

Lieut

4 to 6 P.M. Cloudy and rainy with freshening breezes from SE. Vessel on her course throughout watch heading NNE. Aneroid barometer 30.22. Patent log 117.

Signed.

A. J. L. Halpine.

Ensign

6 to 8 P.M. Weather overcast and squally with drizzling rain. Barometer steady. At 7.25 took in all stunsails and set weather clew of mainsail. Aneroid at end of watch 30.23. Patent log 58.

Signed.

L. P. Rus.

Lieut

8 P.M. to Midnight. Overcast cloudy and rainy first part clearing last two hours with frequent lightning. Fresh breeze from S. E. hauling to ESE and slightly moderating. At 11.56 hauled up mainsail and hauled down fore topmast staysail. Aneroid barometer 30.20. Patent log 87.5.

Signed.

W. M. Irwin.

Lieut

Abouland  
Dec  
Phase

Examined and found to be correct.

W. Keeney

Log 85 Navigator.



LOG of the UNITED STATES

Steamer *Essex*

3d Rate, 6 Guns,

Making passage from St Helena to New York. U.S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	6 5		N. N. W.	E. S. E.	11		30.09	75	76	72	79	bc	air	9	5	All square sail except
2	6 5		.	S. S. W.	11		30.07	76	76	72	79	"	Cir Cum	8	"	weather clew of mainsail,
3	7 0		.	"	11		30.06	76	76	72	79	"	Cum & Stral	7	"	and jib
4	7 0		.	"	11		30.06	76	76	72	79	"	"	7	"	
5	6 5		"	S. E.	11		30.06	76	76	72	79	bc	Cir Cum	8	"	
6	6 5		.	S. S. E.	11		30.06	76	76	72	79	"	"	5	"	Look in mainsail and
7	6 5		.	E. S. E.	11		30.06	76	76	72	79	"	Cir Stral	5	"	set all stunsails
8	6 5		.	"	11		30.09	76	76	73	69	bc	"	11	"	
9	7 11		"	"	11		30.15	77	77	72	79	"	"	11	"	
10	7 0		"	"	11		30.15	77	77	72	79	"	"	5	"	Look in stbd lower & top
11	6 8		"	S. E.	11		30.13	78	78	73	79	"	"	5	"	stunsails and set lee clew
Noon.	6 5		"	"	11		30.13	78	78	73	79	"	"	6	"	of mainsail.

Distance run by Log since preceding Noon

152 knots 0 fathoms

Latitude by D. R. at Noon

16° 15' "

Longitude by D. R. at Noon

49° 30' "

Latitude by Observations at Noon ☉

16° 17' " N

Longitude by Chronometer from Forenoon Observations ☉

49° 36' " W

Current during the time 7 knots fms. per hour, setting to the N 73° W.

7/6 Variation of the Compass by Amplitude ☉ observed at Sunrise

10° " " W

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

850 "

Coal consumed during the preceding 24 hours

tons 400 lbs.

Coal remaining on hand at Noon

76 " 2232 "

P. M.																
1	5 5	N. N. W.	S. E.	11		30.12	78	80	75	79	bc	Cir Cum	5	5		
2	5 5	"	"	11		30.12	78	80	75	79	"	"	5	"		
3	6 0	"	"	11		30.12	79	80	75	79	"	Cir Cum	11	"		
4	6 0	"	S. S. E.	11		30.12	79	80	74	79	"	"	11	"		
5	5 2	"	"	11		30.11	79	80	75	79	"	"	3	"		
6	5 11	"	"	11		30.11	79	80	75	79	bc	Cir Cum	1	"		Washed up and furl led
7	6 0	"	S. E. & E.	3		30.11	79	79	76	79	"	"	6	"		mainsail and set other
8	6 0	"	"	3		30.13	79	79	76	79	bc	"	2	"		stunsails.
9	5 5	"	S. E.	11		30.15	79	79	75	79	bc	"	5	"		
10	6 5	"	"	11		30.18	78	79	75	79	bc	Cir Cum	5	"		
11	7 0	"	"	5		30.15	78	79	75	79	"	Cum	6	"		
Mid.	7 0	"	"	5		30.13	78	78	74	79	bc	"	5	"		

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

" " "



under the command of

Commander A. H. M. Conrick

, U. S. Navy,

Sunday, December 14

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant, Bright starlight falling barometer. Moderate breeze from S.E. to S.W. Patent log 13. Aneroid barometer 30.39.

Signed W. G. Hammon. Ensign

4 to 8 A.M. Clear and pleasant weather, Moderate breeze from S by E. to S.E. Barometer rising. Lightning to W. early part of watch. The wind coming aft hauled up the mainsail, square yards, and set all stunsails. Patent log at end of watch 39. Aneroid barometer 30.23.

Signed. Karl Rohrer. Lieut

8 A.M. to Meridian. Fair and pleasant with moderate breezes from Sd and Ed. Inspected at quarters at 9.15. John W. Anaspie, Schoolmaster and James Gillespie, (Blacksmiths) reported the expiration of their terms of enlistment. Look in starboard lower and topmast stunsails and set the blow of mainsail. Aneroid barometer 30.24. Patent log 68 knots. Vessel on her course throughout watch heading W N W.

Signed.

A. J. L. J. Halpin. Ensign

Meridian to 12 P.M. Weather partly cloudy and pleasant, Moderate breeze from Sd and Ed, Barometer steady. Aneroid at end of watch 30.19. Pat log 92.

Signed.

C. C. Rux. Lieut

12 to 6 P.M. Cloudy with passing showers. Moderate breeze from S.E. At 5 hauled up and furled mainsail and put on covers. At all starboard stunsails. Hoisted smoke stack. Aneroid barometer 30.23.

Signed.

W. M. Irwin. Lieut

6 to 8 P.M. Cloudy. Occasional rain squalls. Gentle S.E. by E breeze. Slight rise in barometer. At 6.30 started fire for condensing. Patent log 13.5. Aneroid barometer 30.24.

Signed.

W. G. Hammon. Ensign

8 P.M. to Midnight. Weather pleasant, Moderate to fresh breeze from S.E. to S.E. by E. Light passing showers in first and last hours of watch.

At 8. started fires under two boilers and commenced distilling at 10.

Patent log at end of watch 39.5 knots. Aneroid barometer 30.22.

Signed.

Karl Rohrer. Lieut

Moon mid  
Dec  
Phase

Examined and found to be correct.

M. Kuegler

Lieut Navigator.



LOG of the UNITED STATES

Steamer "Essex"

3d Rate, 6 Guns,

Making passage from St Helena to New York. U.S. of America

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	6 8	N.A.N.	S.E.	11			30.13	78	78	74	79	bcl	circum	3	S	
2	6 6	"	E	11			30.13	78	78	74	79	"	"	3	"	
3	7 14	"	"	5			30.11	78	78	74	79	"	"	5	"	
4	8 0	"	"	5			30.09	78	78	74	79	bclt	"	11	"	All starboard stow sails and square sail except mainmast.
5	7 0	"	"	5			30.08	78	78	74	79	ocdlt	"	0	M.	
6	6 0	"	"	11			30.07	78	78	74	79	bclt	"	2	"	
7	6 0	"	"	11			30.07	78	78	74	79	bcl	"	2	"	
8	7 0	"	"	11			30.09	78	78	74	79	"	"	1	"	
9	7 0	"	"	11			30.10	78	78	74	79	bc	circum	1	"	
10	6 2	"	"	11			30.12	78	78	74	79	oc	"	0	"	
11	6 6	"	"	11			30.11	78	78	74	79	"	"	0	"	
Noon.	7 8	"	"	11			30.11	78	78	74	79	"	"	0	"	

Distance run by Log since preceding Noon

154 knots 0 fathoms

Latitude by D. R. at Noon

16° 53' " N

Longitude by D. R. at Noon

52° 12' "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

52° 12' " W

Current during the time 5 knots fms. per hour, setting to the W.

7/5 Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

9° " " W

Water expended during the preceding 24 hours

350 gallons.

Water distilled during the preceding 24 hours

1680 "

Water remaining on hand fit for use at Noon

2,800 "

Coal consumed during the preceding 24 hours

5 tons 2,100 lbs.

Coal remaining on hand at Noon

71 " 132 "

P. M.																	
1	8 0	N.A.N.	E.	11	30.18	79	79	74	79	oc	circum	0	S				
2	8 5	"	E.N.E.	11	30.15	79	78	74	79	ocfu	"	0	"				
3	8 0	"	N.E.	11	30.11	79	78	74	79	"	"	0	"				
4	8 0	"	N.	11	30.11	78	78	74	79	"	"	0	"				
5	9 5	"	E.N.E.	5-6	30.11	77	74	72	78	ocfu	circum	0	"				Set flying jib fore top at 10:00 and main topsail
6	9 5	"	N.E.	11	30.11	77	74	71	78	oc	"	0	"				
7	8 8	"	"	11	30.15	77	74	71	78	bel	"	1	"				
8	8 6	"	"	3	30.16	77	75	71	78	"	"	1	"				
9	8 6	"	"	3	30.16	77	75	71	78	be	circum	11	"				
10	9 0	"	"	3	30.17	77	75	71	78	"	"	3	"				
11	9 0	"	"	11	30.18	77	76	72	78	"	"	6	"				
Mid.	9 0	"	"	11	30.16	77	76	72	78	"	"	6	"				

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

" " "



under the command of

Commander A. H. M<sup>r</sup> Connick  
Monday, December 15<sup>th</sup>

, U. S. Navy,

, 1887.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Generally cloudy and threatening with continued lightning all round horizon. Took in all port stunsails. Vessel on her course throughout watch heading N. N. W. Distilling. Aneroid 30.19. Pat log 66.

Signed

M. J. L. F. Halpine. Ensign

4 to 8 A.M. Weather cloudy and rainy with thunder and lightning. Barometer steady. At 4.05 took in royals. At 6.15 set royals. At 7.45 set all starboard stunsails Distilling. Sighted vessel on starboard bow at 6.00. Aneroid at end of watch 30.24. Patent log 89.

Signed.

C. P. Rus.

Lieut

8 A.M. to Meridian. Cloudy and overcast. Moderate breeze from East. At 9.30 mustered at quarters and exercised divisions with rifles and theoretical instruction. At 8.59 started fires under six boilers. Distilling. Started ahead under steam at 10.45. At 11.45 spoke to English barque "David" of St. Johns, New Brunswick, and gave her our longitude. She hove to, waited for us, thinking that we were on fire, she having seen smoke, but could not see smoke stack. Aneroid barometer 30.25. Patent log 17. Took in topgallant stunsails, topgallant sails and royals while speaking to barque.

Signed.

W. M. Irwin.

Lieut

Meridian to 4 P.M. Cloudy. Frequent rain squalls. Moderate breeze varying in direction from E to N. Falling barometer. Patent log 52 miles. Aneroid barometer 30.25. At steam 40. Revs 147. Sail in sight on port beam at end of watch.

Signed.

W. L. Hannum.

Ensign

4 to 6 P.M. Weather generally pleasant. Moderate to fresh breeze from E N E to N E. Barometer steady. Under steam and sail. Steam pressure 43 lbs and making 47 revolutions. Aneroid barometer 30.27. Patent log 71 knots.

Signed

Karl Rohrer.

Lieut

6 to 8 P.M. Cloudy pleasant weather with moderate breezes from N and E. Vessel on her course throughout watch heading N N W. Aneroid barometer 30.29. Patent log 88.5 knots. Steam 42. Revs 144. Distilling.

Signed

M. J. L. F. Halpine. Ensign.

8 P.M. to Midnight. Weather generally cloudy and pleasant. Moderate breeze from N. E. Barometer rising. Stopped distilling at 9.00 and hauled fires under distilling boilers. Aneroid at end of watch 30.28. Patent log 22.5.

Signed.

C. P. Rus.

Lieut

Moon & mid  
Dec  
Phase

Examined and found to be correct.

M. Kury

Lieut & Navigator.



LOG of the UNITED STATES

Steamer "Essex"

3d

Rate,

6

Guns,

Making passage from St Helena to New York, U.S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	9 0		N. N. W.	N. E.	11		30.16	77	77	73	78	bc	circum	6	8	All square sail except
2	8 0		"	"	3		30.16	77	77	73	78	"	"	4	"	mainsail, all fore and
3	8 2		"	"	3		30.16	77	77	73	78	"	"	7	"	aft sail except spanker
4	8 11		"	"	3		30.16	77	77	73	78	"	"	7	"	
7/5 5	8 0		"	"	11		30.15	76	76	72	78	"	"	5	"	
6	7 5		"	"	3		30.15	77	77	73	78	"	circum 3/4	3	"	
7	8 0		"	N. W. E.	11		30.16	77	76	73	79	"	"	1	"	Look in royals
17° 34' 53" 00' 17° 33' 53" 00'	8 0		"	N. E.	11		30.17	77	75	72	79	oc r	circum 3/4	0	"	
9	8 0		"	"	3		30.20	77	74	72	79	oc r	"	0	"	
10	8 5		"	S. S. E.	11		30.22	77	76	73	79	bc r	"	1	"	
11	9 0		"	"	5		30.22	77	76	72	79	bc	circum 3/4	11	"	Let royals
Noon.	12 0		"	"	5		30.23	77	76	72	79	bc r	"	2	"	

Distance run by Log since preceding Noon

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time 8 knots fms. per hour, setting to the S 64° E.

7/4 Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

Water distilled during the preceding 24 hours

Water remaining on hand fit for use at Noon

Coal consumed during the preceding 24 hours

Coal remaining on hand at Noon

207 knots 1 fms.

17° 47' "

55° 43' "

17° 44' " Jr

55° 35' " Jr

0 1 "

7° 1' " Jr

350 gallons.

470 "

2800 "

16 tons 560 lbs.

54 " 1812 "

P. M.	2 8		N. N. W.													
1	6 0		N. N. W.	S. S. E.	11		30.15	77	76	72	79	bc	circum 3/4	11	8	
2	8 3		"	"	11		30.15	77	76	72	79	"	"	3	"	
3	8 11		"	"	11		30.15	77	78	74	79	bc r	"	3	"	
4	6 0		"	"	5		30.13	77	78	74	79	bc	"	11	"	
5	8 5		"	S. S. E.	11		30.12	77	78	74	79	bc r	"	3	"	
6	8 0		"	S. S. E.	11		30.12	77	78	74	79	"	"	3	"	
7	8 5		"	"	11		30.11	77	76	72	79	oc l	"	0	"	
8	9 0		"	"	11		30.16	78	76	72	79	bc l	"	0	"	
9	9 0		"	"	11		30.16	78	77	73	79	bc d	circum 3/4	8	"	
10	8 0		"	"	3-5		30.16	78	77	73	79	bc r	"	2	"	
11	8 0		"	"	3-5		30.18	78	77	73	79	"	circum 3/4	11	"	
Mid.	9 0		"	"	3-5		30.16	78	77	73	79	"	"	11	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander A. H. M<sup>r</sup> Cornick

, U. S. Navy,

Tuesday, December 16th

, 1884

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced, and until 4 A.M. Pleasant weather. Moderate to gentle breeze from N.E. Steam 35 lbs. Revs. 42. Aneroid barometer 30.24. Patent log 57.

Signed, W. M. Irwin. Lieut

4 to 8 A.M. Generally cloudy and threatening. Frequent rain showers. Barometer steady. Took in and furl'd voyal and dived down top gallant sails to passing squall. At 7.50 set top gallant sails. Steam 34 lbs. Revs 38. Patent log 80. Aneroid barometer 30.50.

Signed, W. G. Hannum. Ensign

8 A.M. to Meridian. Unsettled weather first part, clearing up latter part of watch. Gentle to fresh breeze from N.E. to E.N.E. Barometer rising smooth sea. Under steam and sail. Steam pressure 38. Revs. 44. Henry Kern, 1st Fireman reported expiration of his term of enlistment. Patent log at end of watch 38. Aneroid barometer 30.29.

Signed, Karl Rohrer. Lieut

Meridian to 4 P.M. Cloudy and threatening with occasional showers third hour. At 12.20 changed course to N.N.W. by N. This patent log registered 55 knots. At 3.40 took in all sail, and commenced swinging ship. Hauled in patent log registering 78.9. At end of watch vessel on course again heading N.N.W. by N. under steam alone. Aneroid barometer 30.24. Steam 37. Revs. 43. At noon put overboard patent log registering 47.5.

Signed, W. L. E. Halpine. Ensign

4 to 6 P.M. Weather cloudy with passing showers. Wind from E.S.E. Steam 37 lbs. Revs 44. Barometer steady. Made sail at 4. setting square sail, except main sail and jib. Aneroid at end of watch 30.24. Patent log 96.7.

Signed, C. P. Aus. Lieut

6 to 8 P.M. Generally cloudy. Moderate breeze from E. S. E. Steam 37 lbs. Revs. 43. Patent log 13.1. Aneroid barometer 30.25.

Signed, W. M. Irwin. Lieut

8 P.M. to Midnight. Cloudy. Frequent rain squalls. Moderate breeze generally from E. S. E. Slight rise in barometer. Steam 43 lbs. Revs. 43. Patent log 46.5. Aneroid barometer 30.26.

Signed, W. G. Hannum. Ensign

Moored in  
Dec  
Phase

Examined and found to be correct.

W. K. K. K.

Lead 3 Navigator.



LOG of the UNITED STATES

Steamer Essex

3d Rate, 6 Guns,

Making passage from St Helena to New York. U.S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	00	24 1/2 ft	NE	5	30.16	78	77	73	79	bc	cum 4	11	S			
2	90	"	"	5	30.15	78	77	73	79	bcl	"	5	"			
3	85	"	"	5	30.15	78	77	73	79	bcl	air cum	6	"			
4	90	"	"	5	30.14	78	77	73	79	bc	cum 2	7	"			
5	92	"	E. N. E.	5	30.13	78	77	73	79	"	"	7	"			
6	90	"	"	5	30.13	78	77	73	79	"	"	8	"			
7	94	"	"	5	30.13	78	77	73	79	"	cum 7	7	"			
8	92	"	"	5	30.13	78	77	73	79	"	"	6	"			
9	94	"	"	5	30.15	78	77	73	79	"	air cum	7	"			
10	92	"	"	5	30.17	78	77	73	79	"	"	7	"			
11	96	"	"	5	30.18	78	77	73	79	"	"	7	"			Set flying jib, fore topmast
Noon.	100	"	NE	5	30.18	78	77	73	79	"	"	7	"			stay sail and main topmast

Distance run by Log since preceding Noon

010 knots 0 tenths

Latitude by D. R. at Noon

18° 31' " N

Longitude by D. R. at Noon

59° 10' " W

Latitude by Observations at Noon ☉

18° 37' " N

Longitude by Chronometer from Forenoon Observations ☉

59° 10' " W

Current during the time 35 knots fms. per hour, setting to the S

7/4 Variation of the Compass by Amplitude ☉ observed at Sunrise

0' " "

Variation of the Compass by Azimuth ☉ observed at 8 am

40' " W.

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2450 "

Coal consumed during the preceding 24 hours

15 tons 400 lbs.

Coal remaining on hand at Noon

39 " 1412 "

P.M.																
1	90	24 1/2 ft	NE	5	30.18	78	78	73	79	bc	circum	7	S			
2	90	"	"	5	30.17	78	78	73	79	bcl	"	6	"			
3	90	"	E	5	30.15	78	79	74	79	bc	"	11	"			Look in main topmast
4	60	"	"	5	30.13	78	79	74	79	"	"	3	"			Look in all sail
5	70	"	"	5	30.12	78	79	74	79	"	"	11	"			Made all plain sail
6	90	"	"	11	30.12	78	79	74	79	"	"	6	"			Left main sail and topmast
7	90	"	"	5	30.12	78	79	74	79	bcl	circum	6	"			
8	90	"	"	5	30.14	78	79	73	79	bc	"	7	"			
9	90	"	"	5	30.16	78	79	73	79	bcl	"	6	"			
10	92	"	ENE	5	30.18	78	78	73	79	bc	"	6	"			
11	96	"	E	5	30.18	78	78	73	79	bcl	"	14	"			
Mid.	96	"	"	5	30.18	78	77	73	79	bc	"	5	"			

Longitude by Chronometer from Afternoon Observations ☉

0' " "

Longitude by Chronometer from Observations \*

0' " "

Variation of the Compass by Amplitude observed at Sunset

0' " "

Variation of the Compass by at

0' " "



under the command of

Commander A. H. M<sup>r</sup>. Donnick

, U. S. Navy,

Wednesday December 17<sup>th</sup>

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather pleasant. Fresh breeze from N.E. Under steam and sail. Pressure of steam 35 lbs. making 44 revolutions. Patent log at end of watch 81.8. Aneroid barometer 30.22.

11 to 8. A.M. Pleasant weather with stationary barometer and fresh breezes from N<sup>e</sup> and E<sup>e</sup>. Vessel on her course throughout watch heading W. N. W.  $\frac{1}{2}$  N. Aneroid barometer 30.28. Patent log 17.9. At steam 35 lbs. Revs 44.

8 A.M. to Meridian Weather clear and pleasant. Fresh trades from E. N. E. Barometer rising. At 8.30 set flying jib, fore topmast staysail and main trysail. Loosed stunsails and mainsail to dry and began unbending and stowing away stunsails and stunsail gear. Sighted vessel on starboard bow at 10.00 and one on port bow at 11.00. Aneroid at end of watch 30.26. Steam 43. Revs 47. Patent log 54.

Meridian to 11 P.M. Pleasant weather. Fresh breeze from N.E. hauling to East. At 12.20 changed course to W.  $\frac{1}{2}$  N. Patent log 57.4. At 2.50 took in main trysail and laid yards square. At 3 shortened sail and at 3.35 commenced swinging ship. Patent log 95. Aneroid barometer 30.25.

11 to 6. P.M. Cloudy. Pleasant. Moderate N.E. breezes. Steady barometer. At 4.15 went ahead on course, made plain sail to royals except mainsail and spraker. At 4.45 mustered at quarters. immediately after exercised at fire quarters. At steam 40 lbs. At revs 46. Patent log 106. Aneroid barometer 30.25.

6 to 8. P.M. Weather pleasant. Fresh breeze from East. Under steam and sail. Pressure 40 lbs and making 48 revolutions. Barometer rising. Passing showers of rain in first hour of watch. Patent log 144 knots. Aneroid barometer 30.24.

8 P.M. to Midnight. Pleasant weather with fresh variable breezes from S.E. to N.E. Vessel on her course throughout watch heading W.  $\frac{1}{2}$  N. Steam 43. Revs 48. Aneroid barometer 30.26. Patent log 161.6.

Signed. A. J. L. E. Halpine. Ensign

Aboulnid  
Dec  
Phase

Examined and found to be correct.

M. Kuo

Lieut-3 Navigator.



## LOG of the UNITED STATES

Steamer "Essex" 3d Rate, 6 Guns,  
 Making passage from St Helena to New York, U.S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	9 6		N 1/4 N.	E x S	5		30.18	78	77	73	79	bef	cum 3	7	S	Square sail except mainsail
2	9 0		"	E x N.	5		30.16	78	77	73	79	bc	circum	8	"	
3	9 5		"	"	5		30.14	78	77	73	79	"	"	8	"	
4	9 5		"	"	5		30.13	78	77	73	79	"	dir	9	"	
5	9 0		"	"	5		30.11	78	77	73	79	"	circum	8	"	
6	9 0		"	"	11		30.11	78	77	73	79	"	"	8	"	
7	9 5		"	"	11		30.15	78	77	73	79	"	"	7	"	
8	9 5		"	"	11		30.16	78	77	73	79	"	"	6	"	
9	9 0		"	"	11		30.20	78	78	74	79	"	"	8	"	
10	4 5		West	"	11		30.20	78	79	74	79	"	"	6	"	
11	9 5		"	"	11		30.20	78	79	74	79	"	"	4	"	
Noon.	10 0		"	"	11		30.20	79	79	75	79	bef	"	5	"	

Distance run by Log since preceding Noon

216 knots 5 <sup>length</sup> fathoms.

Latitude by D. R. at Noon

18° 36' " N

Longitude by D. R. at Noon

62° 59' " W

Latitude by Observations at Noon ☉

18° 35' " N

Longitude by Chronometer from Forenoon Observations ☉

62° 57' " W

Current during the time knots fms. per hour, setting to the

113 Variation of the Compass by Amplitude ☉ observed at Sunrise

0° 1' "

Variation of the Compass by Azimuth ☉ observed at 8 am.

2° 1' " N

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2100 "

Coal consumed during the preceding 24 hours

15 tons 400 lbs.

Coal remaining on hand at Noon

24 " 1012 "

P. M.																	
1	8 5		West	E	5		30.18	79	79	75	79	bc	cum 3	11			
2	8 0		West	"	5		30.17	79	80	75	79	"	"	11			
3	9 0		"	E x S	5		30.16	78	79	74	79	bef	circum	5			
4	9 0		N 1/4 N.	E x E	5		30.16	78	78	73	78	bc	circum	5			
5	9 4		"	"	11		30.16	78	78	73	78	"	"	6			Look in all sail.
6	9 6		"	"	11		30.15	79	79	74	79	"	"	3			
7	4 8		"	"	11		30.15	79	79	74	79	"	"	8			
8	4 0		"	"	11		30.17	79	79	74	79	"	"	7			
9	4 0		"	E	3		30.17	80	79	74	79	"	"	7			
10	4 0		"	"	3		30.19	79	79	74	80	"	"	6			
11	4 0		"	"	3		30.19	79	79	74	80	"	"	6			
Mid.	4 0		"	"	3		30.19	79	78	73	80	"	"	6			

Longitude by Chronometer from Afternoon Observations ☉

0° 1' "

Longitude by Chronometer from Observations \*

0° 1' "

Variation of the Compass by Amplitude observed at Sunset

0° 1' "

Variation of the Compass by at

0° 1' "



under the command of

Commander A. H. M<sup>o</sup> Cornick

, U. S. Navy,

Thursday, December 18<sup>th</sup>

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather generally clear and pleasant, Moderate breeze from E. S. E., Barometer falling. Aneroid at end of watch 30.21. Steam 42 lbs. Revs 49. Patent log 99.

Signed. L. P. Aus. Lieut  
11 to 8 A.M. Clear and pleasant, Moderate breeze from E by N. Smooth sea, Steam 42 lbs. Revs 49. Aneroid barometer 30.27. Patent log 36

Signed. W. M. Irwin. Lieut  
8 A.M. to Meridian. Partly cloudy. Pleasant weather. Light rain squalls last hour. Moderate E by N breeze. Slight rise in barometer. At 9.30 changed course to West. Steamer in sight from mast-head at end of watch. Patent log 74.2. At steam 41 lbs. Revs 49. Aneroid 30.27.

Signed. W. G. Hammum. Ensign  
Meridian to 4 P.M. Pleasant weather with light passing showers at intervals. Breeze fresh from E to E S E. Barometer falling slowly. Under steam and sail. Pressure 43 lbs. and making 48 revolutions. At 1. sighted land on port beam bearing S 1/2 E (p.e.) At 1.20 sighted land on half point on starboard bow. At 1.55 changed course to W 1/2 N. Patent log 91 knots and at 3 to W S W 1/2 W. Patent log 100.2 knots. By order of Captain At 3 Sombroso Light bore abeam. Sombroso Island one point on starboard quarter at 4. Patent log at end of watch 10 knots. Aneroid barometer 30.24. Bent the cables

Signed. Karl Rohrer. Lieut  
4 to 6 P.M. Pleasant with moderate breezes from E. S. E. At 4.30 lost sight of Sombroso light astern. At 4.45 inspected at quarters, shortened and fukled all sail. At 5. made Virgin Gorda Island bearing W by N. At steam. At revs. Patent log 28.11. Aneroid barometer 30.25. Vessel on her course throughout watch heading W S W 1/2 W. At 6. slowed down engines.

Signed. A. J. L. J. Walpine. Ensign  
6 to 8 P.M. Weather clear and pleasant. Gentle breeze from E S E. Barometer steady. Steaming slowly. Aneroid at end of watch 30.25. Steam 38. Revs 19. Patent log 38.

Signed. L. P. Aus. Lieut  
8 P.M. to Midnight. Clear and pleasant. Light breeze from East. Smooth sea. At 10 and 12 got casts with deep sea lead line. No bottom at 60 fathoms. At 12. Virgin Gorda Island bore (p.e.) N N W 1/2 W. Running slow. Steam 25. Revs 30. Patent log 54.8. Aneroid barometer 30.24.

Signed. W. M. Irwin. Lieut

Moored mid  
Dec  
Phase

Examined and found to be correct.

W. K. George

Log 3. Navigator.



## LOG of the UNITED STATES

Steamer "Essex"

3d Rate, 6 Guns,

Making passage from St Helena to New York, U.S.A.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	14 5	0	SW 1/2 N	E.	11		30.14	79	78	74	79	bc	air cum	7	8	
2	14 5	"	"	"	11		30.16	79	78	74	79	"	"	7	"	
3	14 0	"	"	"	11		30.15	79	78	73	79	"	"	8	"	
7/13 4	9 0	"	"	"	14		30.14	79	78	73	79	"	"	8	"	
5	3 5	"	"	S. E.	14		30.15	79	78	73	79	"	"	7	"	
6	3 0	"	"	"	14		30.17	79	78	73	79	"	"	5	"	
	4 0	"	"	"	14		30.17	79	78	73	79	"	"	5	"	
18 20	Standing in for anchor			"	3		30.19	80	78	73	80	"	"	7	"	
6 4 38	8 a.m. in St Thomas			E.	3		30.19	80	78	73	80	"	"	6	"	
	Harbor			"	2		30.20	80	78	74		"	"	7	"	
	Anchored S. E. + E			S. E. + E.	2		30.21	80	80	74		"	"	5	"	
11	"	"	"	"	2		30.21	80	80	74		"	"	6	"	
Noon.	"	"	"	"	2		30.21	81	81	74		"	"	6	"	

Distance run by Log since preceding Noon

125 knots 3 fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1750 "

Coal consumed during the preceding 24 hours

7 tons 1020 lbs.

Coal remaining on hand at Noon

184 2232 "

P. M.																	
1	"		E.S.E	E.S.E	3		30.18	81	81	74		bc	air cum	6	"		
2	"		"	"	3		30.18	81	81	74		"	"	6	"		
3	"		"	"	3		30.15	82	81	74		"	"	7	"		
4	"		"	"	3		30.14	83	81	74		"	"	7	"		
5	"		"	"	2		30.14	79	81	75		"	"	7	"		
6	"		"	"	2		30.14	80	80	74		"	"	6	"		
7	"		N.E	Calu	0		30.16	81	79	74		"	"	6	"		
8	"		"	"	0		30.18	81	79	74		"	"	7	"		
9	"		"	"	0		30.18	81	78	74		"	"	7	"		
10	"		"	"	0		30.18	81	78	74		"	"	6	"		
11	"		N.E + E	N.E + E	1		30.18	81	78	74		"	"	8	"		
Md.	"		"	"	1		30.18	81	78	74		"	"	8	"		

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by at

° ' "



under the command of

Commander A. H. M. Cornick

, U. S. Navy,

Friday, December 19<sup>th</sup>

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 11 A.M. Clear and pleasant, Moderate Ely breeze. Slight fall in barometer. Land in sight on starboard beam throughout. Got casts of lead at 2 and 14, no bottom at 60 and 140 fathoms. Air sev. 23. Air steam 32 lbs. Aneroid barometer 30.20. Patent log 71.3.

Signed.

W. G. Hannum, Ensign

11 to 8 A.M. Clear and pleasant. Gentle to moderate breeze from East, to S. E. Barometer rising. Land in sight on both beams and starboard bow. The Captain on deck standing in for anchorage in St Thomas Harbor Under steam. The Harbor-master came on board at 7.30. Aneroid barometer 30.26.

Signed.

Karl Rohrer

Lieut

8 A.M. to Meridian. Clear and pleasant. At 8.10 came to with starboard anchor in six fathoms water heaving to 30 fathoms chain in the Harbor of St Thomas. Hauled fires under boilers 5.6.7.8. Henry Palmer, Corporal U.S.M.C. reported the expiration of his term of enlistment. Made preparations and commenced coaling ship. Bearnings at anchor. Christian Fort N<sup>o</sup> 1. E. Fredrick Tower N<sup>o</sup> 14 N. Shiphead S N E. Draft of water 12 ft 11 in fore, 10 ft 6 in aft. Received visit from American Consul. Aneroid barometer 30.24.

Signed

A. J. L. F. Walpue,

Ensign

Meridian to 11 P.M. Weather clear and warm. Gentle breeze from S. E. Barometer falling. At 12.25 exchanged numbers with the U.S.S. "Yantic". At 12.30 the "Yantic" made signal, interrogatory, 1231. Ans. 904. At 12.48 the "Yantic" made interrogatory, 4557 and at 1.15, 1647. Answered 904 to each. Coaling ship. Started fire for distilling at 2.45. The Commanding Officer of the "Yantic" visited the ship officially at 1.45. Aneroid barometer 30.18.

Signed.

C. P. Cus.

Lieut

11 to 8 P.M. Pleasant weather. Light air from S. E. Continued coaling ship. Received on board in Engineers Department 100 galls. of oil, 100 lbs waste 35 lbs oatmeal, 10 lead pencils, and 50 bags. Aneroid barometer 30.23.

Signed.

W. M. Invin

Lieut

8 P.M. to Midnight. Weather clear and pleasant. Calm in early part of watch light breeze from N E by E in latter part. Barometer steady. Coaling ship. Taking on board 168 tons in all. Fire banked under two boilers. Aneroid bar 30.24.

Signed.

H. Rohrer.

Lieut

Moon Low  
Dec.  
Phase

Examined and found to be correct.

W. Keeney

Lieut & Navigator.



## LOG of the UNITED STATES

Steamer "Essex" 3d Rate, 6 Guns,  
Harbor of St Thomas. P.R.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
Anchored			E.	E x N	1		30.18	79	77	74	bc	air cum	7	S		
2	"		E x N.	E	1		30.16	78	77	74	"	"	8	"		
3	"		E	E x N.	1		30.14	77	77	74	"	"	6	"		
4	"		"	"	1		30.14	77	77	74	"	"	8	"		
5	"		"	E	1		30.13	78	75	72	"	"	6	"		
6	"		"	"	1		30.13	78	75	72	"	"	6	"		
7	"		"	"	1		30.15	78	76	73	"	"	7	"		
8	"		"	"	1		30.16	79	77	73	"	"	7	"		
9	"		"	"	1		30.19	81	80	74	"	"	7	"		
10	"		"	"	1		30.18	81	80	74	"	"	7	"		
11	"		"	"	1		30.18	81	80	74	"	"	7	"		
Noon.	"		"	"	1		30.18	82	82	72	"	"	6	"		

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

350 gallons.

Water distilled during the preceding 24 hours

1700 "

Water remaining on hand fit for use at Noon

3100 "

Coal consumed during the preceding 24 hours

2 tons 1320 lbs.

Coal remaining on hand at Noon

182 " 912 "

P. M.																	
1	"		N E.	E	1		30.17	82	82	72		bc	circum	6		"	
2	"		"	"	1		30.18	82	82	72		"	"	7		"	
3	"		E N E	N E.	1		30.15	82	81	72		"	"	5		"	
4	"		"	"	1		30.15	82	81	72		"	"	8		"	
5	"		"	E	1		30.16	81	80	72		"	"	6		"	
6	"		"	"	1		30.16	81	80	72		"	"	6		"	
7	"		"	"	1		30.16	81	80	72		"	dis	9		"	
8	"		"	"	1		30.16	81	80	72		"	"	9		"	
9	"		"	"	1		30.16	81	80	72		"	dis	8		"	
10	"		"	"	1		30.16	81	80	72		"	"	8		"	
11	"		"	"	1		30.18	81	80	72		"	"	8		"	
Mid.	"		"	"	1		30.18	81	80	72		"	"	8		"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by at

° ' "



under the command of

Commander A. H. M<sup>r</sup> Cornick

, U. S. Navy,

Saturday December 20<sup>th</sup>

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Pleasant weather with light breezes from E, Chris banked under two boilers, Aneroid barometer 30.22.

Signed. A. J. L. E. Halpine Ensign.

4 to 8 A.M. Weather clear and pleasant, Light airs from E. Barometer steady. Distilling. Aneroid at end of watch 30.22

Signed B. P. Rus. Lieut

8 A.M. to Meridian. Clear and warm, Light breeze from East, Went to quarters at 9.30. By order of Commanding Officer, directed Sandy Buchanan (C. Stud) and John W. Smith (W. A. Stud) for leaving the ship after having been refused permission. The term of enlistment of Michael Sullivan (1st) expires to day. The Commanding Officer paid official visits to Captain of the U.S.S. "Albatross," the Governor of the Island, and U.S. Consul, Aneroid bar. 30.20

Signed. W. M. Irwin. Lieut

Meridian to 11 P.M. Clear and pleasant. Light Ely and N.E. breeze. Falling barometer. Received in Equipment Department 1/2 cord of kindling wood. Confined John M. Mitchell (B. H.) in double irons to await action of Commanding Officer. Aneroid barometer 30.20

Signed. W. G. Hammum. Ensign

11 to 8 P.M. Weather clear and pleasant. Light breeze from East, Barometer steady. Got lower booms alongside, rove off cat, and fish falls and made preparations for sea. Aneroid barometer 30.22.

Signed. Karl Rohrer. Lieut

8 P.M. to Midnight. Weather clear and pleasant. Light airs from N.E. Barometer steady. Aneroid at end of watch 30.25

Signed B. P. Rus. Lieut

Moon Lined  
Dec  
Phase

Examined and found to be correct.

W. Kewez

Lieut & Navigator.



## LOG of the UNITED STATES

Steamer "Essex" , 3d Rate, 6 Guns,  
Harbor of St Thomas. W. I.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at f'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
			Anchored	E N E	0	1	30.18	78	75	71		bc	circum	9	8	
2	"	"	"	"	2		30.16	76	75	71		"	"	7	"	
3	"	"	"	"	1		30.16	76	75	71		"	"	7	"	
4	"	"	"	"	1		30.14	76	75	71		"	"	8	"	
5	"	"	"	"	1		30.11	78	79	71		"	"	6	"	
6	"	"	Underway	E N E	1		30.16	78	79	75		"	"	6	"	Made sail to topsails with
7	5 0	"	"	N N W	2		30.18	78	77	72	79	"	"	5	"	for and aft sail except spritsail
8	5 5	"	N N W	N E	11		30.18	78	77	72	79	"	"	6	"	
9	7 5	"	N N W	E N E	5		30.18	78	77	72	79	"	"	5	"	
10	8 0	"	"	"	5		30.19	78	78	75	79	"	"	7	"	
11	7 0	"	"	"	5		30.19	78	78	75	79	"	"	6	"	
Noon.	6 5	"	"	"	5		30.19	78	78	75	79	"	"	7	"	

Distance run by Log since preceding Noon

39 knots 5 fathoms

Latitude by D. R. at Noon

18° 49' " N

Longitude by D. R. at Noon

65° 19' " W

Latitude by Observations at Noon ☉

18° 49' " N

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

7/2 Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2750 "

Coal consumed during the preceding 24 hours

5 tons 1000 lbs.

Coal remaining on hand at Noon

176 " 2152 "

P. M.																
1	6 0	"	N N W	E N E	5		30.19	78	78	75	79	bc	circum	7	2	
2	6 0	"	"	"	5		30.19	78	78	75	79	"	"	6	"	
3	5 8	"	"	"	5		30.16	78	78	75	79	"	"	6	"	
4	6 0	"	"	"	5		30.16	78	78	73	79	"	"	7	"	
5	5 6	"	"	"	5		30.17	79	79	74	79	"	"	6	"	
6	6 2	"	N E x E	"	5		30.18	79	79	74	79	bc	circum	14	"	
7	6 8	"	"	"	5		30.20	79	79	74	79	bc	"	8	"	
8	6 8	"	"	"	5		30.20	79	78	73	79	"	"	8	"	
9	5 5	"	"	"	11		30.20	79	78	72	78	"	circum	7	"	
10	5 5	"	"	"	11		30.20	78	77	72	78	"	"	7	"	
11	6 0	"	"	"	5		30.20	78	77	72	78	"	"	6	"	
Mid.	6 0	"	"	"	5		30.20	78	77	72	78	"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by at

" " "



under the command of

Commander A. H. McCormick  
Sunday, December 31

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Pleasant weather. Light breeze from East, Aneroid barometer 30.24.

Signed W. M. Irwin. Lieut

4 to 8 A.M. Partly cloudy, Pleasant weather, Light variable breeze increasing to moderate breeze from SE last hour. Rising barometer. At 5.15 got under way and stood out of harbor. At 7.30 took departure, Sarana Island bearing (true) East; distant one mile, and set course N N W. patent log 35. Made sail to topsails. Air steam 115 lbs Air revolutions 50. Patent log at end of watch 72 miles. Aneroid barometer 30.27. Draft 12 ft 2 in, fore, 16 ft 1 in aft.

Signed W. G. Hannum. Ensign

8 A.M. to Meridian. Clear and pleasant weather. Fresh breeze from ESE. Barometer steady. At 9.30 mustered at quarters. At 10. uncorrupted and banked fires. By order of Comdr. Officer the following punishments were awarded, viz; The<sup>1</sup> Fitzpatrick (P.M.) 3 days double irons for being under the influence of liquor on board. Jacob Walker (P.M.) 5 days double irons for purchasing liquor; John M. Mitchell (B.M.) three days sol. conf. on bread and water for insubordination and Harry Palmer (C.P.M.) five days double irons for neglect of duty. Land in sight astern and on each quarter. Aneroid at end of watch 30.28. Patent log 38.5 knots.

Signed Karl Rohrer. Lieut

Meridian to 4 P.M. Weather pleasant with fresh breezes from ESE. Vessel on her course throughout watch heading N N W. Long swell from NW. Aneroid barometer 30.26. Patent log 7.8 knots. Passed a schooner standing to S<sup>2</sup> and Ed. Fires banked.

Signed A. J. L. Walping. Ensign

4 to 6 P.M. Weather generally clear and pleasant. Moderate breeze from NE by E. Smooth sea, with long swell. Aneroid at end of watch 30.28.

Signed C. P. Rus. Lieut

6 to 8 P.M. Clear and pleasant. Moderate breeze from NE by E. Smooth sea. Aneroid barometer 30.29. Patent log 82.2

Signed W. M. Irwin. Lieut

8 P.M. to Midnight Clear and pleasant. Moderate NE by E breeze. Steady barometer. Patent log 105.4. Aneroid barometer 30.30.

Signed W. G. Hannum. Ensign

Moonlight  
Dec  
Phase

Examined and found to be correct.

M. Keeney  
Lieut 3 Navigator.



## LOG of the UNITED STATES

Steamer "Essex" 3d Rate, 6 Guns,  
Making passage from St Thomas, V.I. to New York

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.	
				Direction.	Force.		Height in inches.	Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.						
A. M.																	
1	5	5	N. N. W.	E. N. E.	5		30.20	78	77	72	78	bc	liv cum	8	S	Plain sail except main	
<sup>36° 00'</sup> 2	6	0	"	E. N. E.	5-6		30.20	78	77	72	78	bc fog	<sup>green</sup> liv cum	6	"	sail and spanker.	
<sup>66° 12'</sup> 3	5	5	"	E. N. E.	5		30.20	78	77	72	78	bc	"	4	"		
4	5	5	"	"	5		30.20	78	77	72	78	bc fog	<sup>green</sup> liv cum	6	"		
5	4	0	"	"	4-6		30.18	78	77	72	78	bc fog	"	5	"		
6	5	0	"	"	4-6		30.17	78	77	73	78	bc	"	7	"		
<sup>36° 25'</sup> 7	5	4	"	"	5		30.19	78	77	73	81	"	"	8	"		
<sup>66° 24'</sup> 8	5	0	"	"	5		30.19	78	77	73	81	"	"	7	"		
9	6	0	"	"	5		30.19	78	77	73	81	"	liv cum	6	S		
10	5	8	"	"	5		30.20	78	78	73	81	"	"	6	"		
11	5	0	"	"	5		30.22	78	78	73	81	"	"	6	"		
Noon.	5	0	"	"	5		30.23	78	78	73	81	"	"	6	"		

Distance run by Log since preceding Noon

135 knots 5 fathoms

Latitude by D. R. at Noon

20° 51' " N

Longitude by D. R. at Noon

66° 17' " W

Latitude by Observations at Noon ☉

20° 43' " N

Longitude by Chronometer from Forenoon Observations ☉

66° 39' " W

Current during the time 24 knots fms. per hour, setting to the S 69° W

729 Variation of the Compass by Amplitude ☉ observed at Sunrise

0 1 "

Variation of the Compass by Azimuth ☉ observed at 8 a.m.

1° 30' "

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2400 "

Coal consumed during the preceding 24 hours

1 tons 1160 lbs.

Coal remaining on hand at Noon

175 " 792 "

P. M.																	
1	5	11	N. N. W.	E. N. E.	11		30.20	78	78	72	81	bc	ci cum	5			
2	5	2	"	"	11		30.19	78	78	72	81	"	"	6			
3	5	11	"	"	11		30.19	78	78	74	81	bc fog	"	7			
4	5	11	"	"	11		30.18	78	78	74	81	bc	"	6			
5	5	0	"	"	11		30.19	78	78	73	81	"	"	6			
6	5	0	"	"	11		30.19	78	78	73	81	"	ci cum	7			
7	7	5	"	"	11		30.20	78	78	73	81	"	ci cum	8			
8	6	5	"	"	11		30.20	78	77	73	81	"	"	6			
9	4	6	"	"	11		30.20	78	77	73	81	"	"	6			
10	6	5	"	"	11		30.20	78	77	73	81	"	"	7			
11	9	0	"	"	11		30.20	78	77	73	81	"	"	6			
Mid.	9	2	"	"	11		30.20	78	77	73	81	"	"	7			

Longitude by Chronometer from Afternoon Observations ☉

0 1 "

Longitude by Chronometer from Observations \*

0 1 "

Variation of the Compass by Amplitude observed at Sunset

0 1 "

Variation of the Compass by at

0 1 "



under the command of

Commander A. H. M<sup>r</sup> Conrick

, U. S. Navy,

Monday, December 22<sup>d</sup>

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Pleasant weather. Fresh breeze from E by N. to E. N. E. Barometer steady. Fires banked under six boilers. Patent log 28 knots. Aneroid barometer 30.26.

11 to 8 A.M. Generally fair and pleasant with light squalls first half of watch. Took in royals and flying jib and reset them again. Vessel on her course throughout watch heading N N W. Aneroid barometer 30.31. Patent log 49 knots. Moderate swell from N N E. At daylight made bark standing to Wd. Fires banked under six boilers.

8 A.M. to Meridian. Weather clear and pleasant, breeze from E. N. E. Barometer rising. Mustered at quarters at 9.15. Exercised signal class at making signals. Chas. Carroll (P.M.) is given five days of confinement for theft. Shifted foresail and topsails with the watch. John Flaherty (1st Fire) reported expiration of his term of enlistment. Fires banked. Aneroid at end of watch 30.30. Patent log 70.

Meridian to 11 P.M. Cloudy with passing showers latter part, clearing at the close. Moderate breeze from E. N. E. Smooth sea. Shifted jib. Fires banked. Aneroid barometer 30.28. Patent log 90.

11 to 6 P.M. Clear and pleasant. Moderate E. N. E. breeze. Barometer steady. At 11.45 mustered at quarters. At 5.20 spread feris and at 5.50 went ahead under steam. Patent log 100. Aneroid 30.29.

6 to 8 P.M. Clear and pleasant weather. Moderate breeze from E. N. E. Barometer rising slowly. Up to 7.33 under sail and steam at which time stopped the engine to repair valve in the condenser. Bright moon and starlight. Aneroid 30.31. Patent log 116 knots.

Signed Karl Rohrer. Lieut

Moon Zenith  
Dec  
Phase

Examined and found to be correct.

M. K. Rogers

Lieut Navigator.



## LOG of the UNITED STATES

Steamer Essex 3d Rate, 6 Guns,  
 Making passage from St Thomas W.I. to New York

Hour.	Knots.	Fathoms.	Courses steered.	WIND.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in fths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. air'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	92		N. N. W.	E. N. E.	11		30.17	77	77	72	80	bc	picum	8	S	Plain sail to royals
2	90		"	N. E. x E.	11		30.18	78	77	72	81	"	"	8	"	except main sail
3	92		"	"	11		30.19	78	77	72	81	"	"	7	"	
4	92		"	"	11		30.19	78	77	72	81	"	"	7	"	
5	90		"	"	11		30.19	77	77	72	81	"	"	7	"	
6	90		"	N. N. E.	11		30.19	77	77	72	81	"	"	6	"	Took in all square sail
7	86		"	"	11		30.19	77	77	72	81	"	"	7	"	except foresail.
8	86		"	"	11		30.20	77	77	72	80	"	"	7	"	
9	80		"	"	11		30.20	77	76	71	80	"	"	6	"	
10	80		"	"	11		30.20	77	76	71	80	"	"	6	"	
11	85		"	"	11		30.22	77	77	72	80	"	"	6	"	
Noon.	90		"	"	11		30.22	77	77	72	80	"	"	7	"	

Distance run by Log since preceding Noon

180 knots 0 tenths fathoms.

Latitude by D. R. at Noon

23° 25' " N

Longitude by D. R. at Noon

67° 58' " W

Latitude by Observations at Noon ☉

23° 23' " N

Longitude by Chronometer from Forenoon Observations ☉

68° 16' " W

Current during the time 17 knots fms. per hour, setting to the S 84° W

729 Variation of the Compass by Amplitude ☉ observed at Sunrise

0 " "

Variation of the Compass by Azimuth ☉ observed at 8 a.m.

2° 38' " W

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2150 "

Coal consumed during the preceding 24 hours

11 tons 1660 lbs.

Coal remaining on hand at Noon

163 " 1542 "

P.M.																	
1	80		N.N.W.	N.N.E.	3		30.19	79	79	72	80	bc	picum	4			Took in main & topsail
2	80		"	N.E. x N.	3		30.19	79	79	72	80	"	"	6			Selfy jib & flopt & layl
3	80		"	"	3		30.19	79	78	72	80	"	"	7			"
4	85		"	N.N.E.	3		30.19	79	78	72	80	"	"	8			Took in fore and aft sail
5	82		"	N.E.	3		30.20	79	77	72	80	"	picum	8			"
6	80		"	"	3		30.21	79	77	72	80	"	"	6			"
7	84		"	"	3		30.21	79	77	72	80	"	picum	5			Set head sail & repaulked
8	86		"	"	3		30.21	79	77	72	80	"	"	7			"
9	80		"	N.N.E.	11		30.22	78	77	72	80	"	"	11			Set on main & topsail, all
10	90		"	E.N.E.	5		30.23	77	75	72	80	"	"	7			by sail except main sail
11	100		"	"	5		30.23	77	76	72	80	"	"	7			"
Mid.	108		"	"	5		30.23	77	75	72	80	"	"	7			"

Longitude by Chronometer from Afternoon Observations ☉

0 " "

Longitude by Chronometer from Observations \*

0 " "

Variation of the Compass by Amplitude observed at Sunset

0 " "

Variation of the Compass by at

0 " "



under the command of

Commander A. H. M. Conrick  
Tuesday December 23d

, U. S. Navy,

, 1884

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather clear and pleasant, Gentle breeze from N.E. by E. Barometer rising. Aneroid at end of watch 30.29. Steam 46. Revs 43. Patent log 78.5

Signed, C. P. Rus. Lieut.  
11 to 8 A.M. Pleasant weather. Moderate breeze from N.E. by E. hauling to N.N.E. Smooth sea. At 6.05 took in and furlled all square sail except foresail the wind hauling forward. Steam 46. Revs 47. Patent log 13. Aneroid barometer 30.29.

Signed, W. M. Inwin. Lieut.  
8 A.M. to Meridian. Clear and warm. Moderate N.N.E. breeze, Rising barometer. At 9.15 mustered at quarters. Hauled up foresail, Aw steam 45 lbs. Revs 48. Patent log 47.5. Aneroid barometer 30.28.

Signed, W. G. Chapman. Ensign.  
Meridian to 11 P.M. Clear and pleasant weather Light to gentle breeze from N.N.E. to N.E. by N. Barometer steady. Smooth sea. Under steam and fore and aft sail. Steam pressure 42 lbs. Revolutions 47. Patent log at end of watch 80.5 knots. Aneroid barometer 30.28.

Signed, Karl Rohrer. Lieut.  
11 to 6 P.M. Clear and pleasant with gentle breezes from N. At 11.15 held evening quarters. Vessel on her course throughout watch under steam alone heading N.N.W. Aw steam 44. Aw revs. 47. Aneroid barometer 30.30. Patent log 96.1.

Signed, N. J. D. Halpine. Ensign.  
6 to 8 P.M. Weather clear and pleasant, Gentle to moderate breeze from N by E. Barometer steady. Set head sails and spanker at 7.15. Aneroid at end of watch 30.30. Steam 44. Revs 47.

Signed, C. P. Rus. Lieut.  
8 P.M. to Midnight. Pleasant weather. Moderate breeze from N.N.E. hauling to E. N.E. and freshening. At 9.35 set main topsail and at 10.35 all square sail to royals. Steam 45. Revs 49. Aneroid bar. 30.33. Pat. log 47.8

Signed, W. M. Inwin. Lieut.

Moon and  
Dre  
Phase

Examined and found to be correct.

W. K. K.

Lieut. Navigator.



## LOG of the UNITED STATES

Steamer Essex

3<sup>rd</sup> Rate, 6 Guns,

Making passage from St Thomas W.I. to New York.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A.M.																
<sup>25</sup> 25 <sup>00</sup> 26	1	10 0	N.N.W.	E.N.E.	5		30.21	76	75	70	80	bc	cir cum	5	5	Under plain sail except
<sup>69</sup> 69 <sup>04</sup>	2	10 0	"	"	5		30.20	76	75	70	79	"	"	5	"	main sail and flying jib
	3	10 0	"	"	5		30.20	76	75	70	79	"	"	6	"	
	4	10 0	"	"	5		30.20	76	75	70	79	"	"	6	"	
<sup>746</sup>	5	9 0	"	"	5		30.20	76	75	70	79	"	"	5	"	
	6	9 0	"	"	5		30.20	76	75	70	79	"	"	6	"	
	7	8 5	N.W. x N.	N.E.	11		30.20	76	75	70	79	"	"	11	"	
<sup>26</sup> 26 <sup>04</sup> 26	8	9 0	N.N.W.	N.E. x N.	11		30.23	75	74	70	79	bc	cir cum mainly	5	"	Look in square sail except
<sup>69</sup> 69 <sup>53</sup>	9	9 0	"	"	3		30.23	76	75	70	79	bc	cir cum cum & cir cum	6	"	fore sail
<sup>26</sup> 26 <sup>18</sup>	10	9 2	"	"	3		30.25	76	75	70	79	"	"	6	"	Make plain sail except
<sup>70</sup> 70 <sup>00</sup>	11	9 0	"	"	3		30.27	76	75	70	79	"	"	5	"	main sail
Noon.	10 14	"	"	"	3		30.27	76	75	70	78	"	"	7	"	

Distance run by Log since preceding Noon

216 knots 6 fathoms

Latitude by D. R. at Noon

26° 36' " N

Longitude by D. R. at Noon

69° 57' " W

Latitude by Observations at Noon ☉

26° 35' " N

Longitude by Chronometer from Forenoon Observations ☉

70° 10' " W

Current during the time 1/3 knots fms. per hour, setting to the West

745 Variation of the Compass by Amplitude ☉ observed at Sunrise

0 " "

Variation of the Compass by Azimuth ☉ observed at 8 am.

3° " W

Water expended during the preceding 24 hours

350 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1800 "

Coal consumed during the preceding 24 hours

15 tons 800 lbs.

Coal remaining on hand at Noon

148 " 772 "

P.M.																	
26	1	6 2	N.N.W.	N.N.E.	3		30.24	76	75	71	78	bc	cir cum	5	5		Look in all square sail
	2	9 0	"	"	3		30.23	76	76	71	78	"	"	6	"		
	3	8 8	"	N.E.	3		30.23	77	76	71	78	"	"	7	"		
	4	8 6	"	"	3		30.23	77	76	71	78	"	"	8	"		
	5	8 5	"	"	3		30.24	76	75	71	78	"	cir cum	6	"		
	6	8 11	"	"	3		30.25	76	75	70	78	"	"	6	"		
	7	8 14	"	"	3		30.26	76	75	71	78	"	cir cum	8	"		
27° 04'	8	8 11	"	N.N.E.	3		30.26	76	75	71	78	"	"	8	"		Set main by sail and spantail
70° 48'	9	8 0	"	"	3		30.27	76	75	71	78	"	cir cum	8	"		
	10	8 0	"	N.E. x N.	3		30.27	75	74	70	78	"	cir cum	6	"		
	11	8 0	"	"	3		30.26	75	74	70	78	"	"	6	"		
Mid.		5 5	"	"	3		30.26	75	74	70	78	"	"	7	"		

Longitude by Chronometer from Afternoon Observations ☉

0 " "

Longitude by Chronometer from Observations \*

0 " "

Variation of the Compass by Amplitude observed at Sunset

0 " "

Variation of the Compass by at

0 " "



under the command of

Commander A. H. McCormick

, U. S. Navy,

Wednesday, December 21<sup>st</sup>

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Generally clear and pleasant. Fresh N.E. breeze. Slight fall in barometer. At steam 111 lbs. Revs 52. Patent log 88. Aneroid bar. 30.31.

Signed W. G. Hearnum. Ensign

11 to 8 A.M. Weather pleasant. Moderate to fresh breeze from N.E. to N.E. by N. Barometer rising. Smooth sea. Shower of rain last hour of watch. At 6.15 took in all plain sail except foresail, wind hauling ahead. Under steam, fore and aft sail and foresail steam pressure 110 lbs, making 147 revolutions. Patent log at end of watch 22.7 knots. Aneroid barometer 30.36.

Signed Karl Rohrer. Lieut

8 A.M. to Meridian. Clear and warm with light breezes from N. and E. Made all plain sail to royals except mainsail. By order of Comdg Officer released Tho<sup>s</sup> Fitzpatrick (P.M.) and John M. Mitchell (B.M.) from confinement, and confined Chas Carroll (P.M.) for five days in solitary confinement in accordance with sentence Dec. 22<sup>d</sup>. Made large English steamer standing to N. and E. Tussle on course throughout watch heading N.N.W. Steam 112. Revs 50. Patent log 60 knots. Aneroid barometer 30.35.

Signed A. J. L. I. Halpine. Ensign

Meridian to 4 P.M. Weather clear and pleasant. Light breeze from N.N.E. Barometer steady. Changed course at 12.20 to N by N.W. and took in and furled all square sail. Patent log 62.6. At 1.15 took in main topsail and at 1.25 took in spanker. Moderate quantities of sea weed in the water. Aneroid at end of watch 30.32. Steam 43. Revs. 50.5. Patent log 95.

Signed C. P. Rus. Lieut

4 to 6 P.M. Pleasant weather. Light breeze from N.N.E. Smooth sea. Steaming under six boilers. Mustered at quarters at 4.45. Aneroid barometer 30.35.

Signed W. M. Irwin. Lieut

6 to 8 P.M. Clear and pleasant. Bright moonlight. Slight rise in barometer. Gentle N.N.E. breeze. At steam 112 lbs. Revs 50. Patent log 28.5. Aneroid 30.38.

Signed W. G. Hearnum. Ensign

8 P.M. to Midnight. Clear and pleasant weather. Gentle breeze from N.E. by N. Barometer steady. Smooth sea. Under steam and fore and aft sail. Steam 110 lbs. making 148 revolutions. Patent log at end of watch 61.2 knots. Aneroid bar. 30.37.

Signed Karl Rohrer. Lieut

Moon and  
Dec  
Phase

Examined and found to be correct.

W. Keeney

Lieut Navigator.



LOG of the UNITED STATES

Steamer Essex

32 Rate, 6 Guns,

Making passage from St Thomas. Vt. to New York, U.S.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	8	2	N x N 1/2 W	N E x N.	3		30.01	74	73	69	78	bc	circum	7		
2	8	8	"	"	3		30.05	74	73	69	78	"	"	8	"	
3	8	8	"	"	2		30.05	74	73	69	78	"	"	8	"	
4	8	8	"	"	2		30.05	74	73	69	78	"	"	8	"	
5	8	14	"	Calu	0		30.05	74	74	69	76	"	"	8	"	
6	8	0	"	"	0		30.05	74	74	69	76	"	circum 3/4 cal	7	"	
7	8	0	"	N x N 1/2 W	2		30.06	73	73	69	76	"	"	4	"	Set fore and aft sail except
8	8	0	"	"	2		30.07	73	73	69	76	"	"	6	"	main topsail.
9	8	0	"	"	2		30.07	73	73	69	76	"	"	5	"	
10	7	14	"	"	2		30.07	73	73	69	76	"	"	11	"	
11	7	14	"	N x N 1/2 W	2		30.08	74	74	70	76	"	circum	6	"	
Noon.	9	0	"	"	2		30.08	74	74	70	76	"	"	14	"	

Distance run by Log since preceding Noon

200 knots 2 fathoms

Latitude by D. R. at Noon

29° 44' " N

Longitude by D. R. at Noon

71° 29' " W

Latitude by Observations at Noon ☉

29° 45' " N

Longitude by Chronometer from Forenoon Observations ☉

71° 44' " W

Current during the time 15 knots fms. per hour, setting to the N 86° W

745 Variation of the Compass by Amplitude ☉ observed at Sunrise

0 " "

Variation of the Compass by Azimuth ☉ observed at 8 am

2° 40' " W

Water expended during the preceding 24 hours

500 gallons.

Water

during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1300 "

Coal consumed during the preceding 24 hours

16 tons 160 lbs.

Coal remaining on hand at Noon

132 " 612 "

P. M.																	
1	8 5		N x N 1/2 W	N E x N.	3.5		30.27	74	73	69	76	bc	circum	2			Look in fore and aft sail
2	8 5		"	"	5		30.26	73	72	69	75	bc	"	1			Set " " " "
3	9 0		"	"	5		30.25	73	72	68	75	"	circum	5			Set foresail.
4	8 5		"	"	5		30.25	73	72	68	74	"	"	2			Look in "
5	8 5		"	N E.	5		30.25	73	72	68	74	"	"	5			
6	8 5		"	"	5		30.25	74	71	66	74	"	"	5			Set square sails to topgall
7	9 2		"	E. N. E.	5		30.26	74	71	66	74	"	"	5			
8	10 0		"	"	5		30.28	72	70	65	74	"	"	7			
9	9 4		"	"	5		30.28	72	70	65	74	"	"	11			
10	9 4		"	"	5		30.28	72	70	65	72	"	circum	3			
11	9 2		"	"	5		30.28	72	70	65	72	"	"	5			
Mid.	9 4		"	"	5		30.28	72	70	65	72	"	"	14			

Longitude by Chronometer from Afternoon Observations ☉

0 " "

Longitude by Chronometer from Observations

\*

0 " "

Variation of the Compass by Amplitude observed at Sunset

0 " "

Variation of the Compass by

at

0 " "



under the command of

Commander A. H. M<sup>r</sup> Conrick  
Thursday, December 25<sup>th</sup>

, U. S. Navy,

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and pleasant with light breezes from N.E. Took in all fore and aft sail. Passed a small barge standing to Red and Red. Vessel on her course throughout watch heading N by N.W. Aneroid barometer 30.38. Steam 42. Revs 50. Patent log 95.2 knots.

Signed, A. J. L. S. Halpine. Ensign

4 to 8 A.M. Weather clear and pleasant, Light variable airs and calms. Barometer rising. At 6.35 set fore and aft sail, except main topsail to a light breeze from N.W. Aneroid at end of watch 30.39. Steam 44. Revs 49. Patent log 98.11. Sighted several sail during watch.

Signed, C. P. Riss. Lieut

8 A.M. to Meridian. Cloudy but pleasant, Gentle breeze from N.W. to N.W. by W. Smooth sea. Steam 36 lbs. Revs 46. Aneroid bar. 30.37. Patent log 60

Signed, W. M. Irwin. Lieut

Meridian to 11 P.M. Cloudy. Squally first hour. Fresh N.E. and N. breeze. Slight fall in barometer. At 12.15 changed course to N by W. 1/4 W. By order of Comdg Officer released Chas Garro M<sup>r</sup> (2<sup>d</sup> Mr) from solitary confinement and confined him under sentry's charge. Patent log 93 miles. Revs 48 1/2. Steam 42. Aneroid 30.38.

Signed, W. G. Hannum. Ensign

11 to 6 P.M. Clear and pleasant, Fresh breeze from N.E. Barometer steady. Under steam, fore and aft sail, and foresail. Steam pressure 40 lbs. making 48 revolutions. Patent log 11 knots. Aneroid barometer 30.41.

Signed, Karl Rohrer. Lieut

6 to 8 P.M. Clear and pleasant with fresh breezes from E. Set topsails, and top gallant sails. Vessel on her course throughout watch heading N by W 1/4 W. Aneroid barometer 30.34. Revs 52. Steam 44. Patent log 30 knots.

Signed, A. J. L. S. Halpine. Ensign

8 P.M. to Midnight. Weather clear and pleasant. Bright moonlight. Moderate breeze from N.E. Barometer steady. Bright moonlight. Aneroid at end of watch 30.40. Steam 40. Revs 50. Patent log 66.7.

Signed, C. P. Riss. Lieut

Moon Lonic  
Dec  
Phase

Examined and found to be correct.

W. George  
Lieut & Navigator.



## LOG of the UNITED STATES

Steamer "Essex" 3d Rate, 6 Guns,  
Making passage from St Thomas, W.I. to New York

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	9 0	NxW 1/4 N	ENE	3			30.28	72	71	66	71	bc	Clear Cum	6	S	Plain sail to topgalls
2	9 0	"	"	3			30.26	72	71	66	71	"	"	8	"	except main sail
3	9 0	"	"	11			30.24	72	71	66	71	"	"	8	"	
4	9 0	"	"	11			30.21	72	71	66	71	"	"	6	"	
5	9 0	"	"	3			30.20	72	71	66	71	"	"	5	"	
6	9 2	"	S	3-11			30.20	72	71	66	71	"	"	11	"	
7	9 5	"	"	5			30.18	72	72	67	73	"	"	11	"	
8	9 5	"	S. by W	5			30.18	72	72	67	73	"	"	2	"	Set main topsail
9	10 5	"	SW	6			30.19	71	71	68	72	bc p	Clear Cum	3	"	Took in square sail
10	10 0	NxW	N. by W	3-5			30.20	71	71	66	72	bc p	"	3	"	Set spanker
11	6 0	N 1/2 E	NW	5-6			30.21	70	70	65	72	"	"	3	"	
Noon.	6 0	NNE	"	4-6			30.21	71	71	64	72	"	"	5	"	

Distance run by Log since preceding Noon

212 knots 8 fathoms

Latitude by D. R. at Noon

33° 12' " W

Longitude by D. R. at Noon

72° 30' " W

Latitude by Observations at Noon ☉

33° 12' 30" S

Longitude by Chronometer from Forenoon Observations ☉

73° 02' " W

Current during the time 12 knots fms. per hour, setting to the W

764 Variation of the Compass by Amplitude ☉ observed at Sunrise

0 " "

Variation of the Compass by Azimuth ☉ observed at 8 am

3 " " W

Water expended during the preceding 24 hours

375 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

925 "

Coal consumed during the preceding 24 hours

16 tons 560 lbs.

Coal remaining on hand at Noon

116 " 521 "

P. M.																	
1	7 0	N x E 1/2 E	NW	4-5	30.19	71	68	63	73	bc p	Clear Wind Air cum	3	M	Set main topsail			
2	8 2	N x N	NW	4-5	30.18	71	67	63	73	bc p	"	3	"				
3	8 8	N x N 1/2 W	"	4-5	30.18	69	66	62	72	bc p	"	2	"				
4	6 0	"	"	4-5	30.18	69	65	61	72	"	"	11	"				
5	5 0	N x E	N x W	4-5	30.17	68	66	61	72	"	"	3	"	Took in main topsail			
6	5 6	"	"	5	30.17	68	66	60	72	bc	Clear Air Cum	5	"				
7	6 2	"	NW x N.	4-5	30.19	70	66	59	72	bc p	"	8	"				
8	6 6	"	"	4-5	30.21	70	66	60	72	"	"	5	"				
9	4 5	N x N	N x N	4-5	30.22	69	65	58	72	"	"	8	"	Took in fore topst stay			
10	5 2	"	"	4-5	30.22	69	65	59	72	"	"	5	"	and spanker			
11	5 2	"	NW x N.	4-5	30.22	67	64	59	71	bc p	Clear Wind Cum	5	"				
Mid.	4 5	"	"	5-7	30.22	67	64	62	71	"	"	4	"				

Longitude by Chronometer from Afternoon Observations ☉

0 " "

Longitude by Chronometer from Observations \*

0 " "

Variation of the Compass by Amplitude observed at Sunset

0 " "

Variation of the Compass by

at

0 " "



under the command of *Commander A. H. M<sup>c</sup> Cormick*

, U. S. Navy,

*Friday, December 26*

, 188*4*

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

*Commences, and until 11 A.M. Pleasant weather, partly cloudy. Gentle breeze from E. N. E. Steam 42. Revolutions 52. Aneroid barometer 30.37. Patent log 102.5*

*Signed.*

*W. M. Inwin.*

*Lieut.*

*11 to 8 A.M. Overcast, cloudy. Wind variable in force and direction. fresh S. S. W. breeze at end of watch. Slight fall in barometer. Set royals. Patent log 40. Steam 42. Rws 50. Aneroid barometer 30.35.*

*Signed*

*W. L. Hannum.*

*Ensign*

*8 A.M. to Meridian. Weather somewhat squally but pleasant with passing showers. Gentle to fresh breeze in squalls from S. W. to N. W. Barometer rising slowly. At 10.00 took in and furl'd all square sails the wind having hauled ahead. Unbent fore topmast stay sail, and bent new one, the old one having split, also unbent main trysail, it being torn at the luff, and bent new one. At 11.00 sent down to the gallant and royal yards; hauled down head of spanker. Under steam, pressure 43 lbs. 49 revolutions. Aneroid barometer 30.38. Patent log 72 knots*

*Signed.*

*Harl Rohrer.*

*Lieut.*

*Meridian to 11 P.M. Cloudy and squally with occasional light drizzle. Vessel off her course throughout watch. Close hauled under fore and aft sail and steam. At 2.30 stood off on starboard tack. Set main trysail. Moderating weather towards close of watch. Started distilling. At steam 45 lbs. At Rws 47. Aneroid barometer 30.40. Patent log 101.*

*Signed.*

*A. J. J. Halpine.*

*Ensign*

*11 to 6 P.M. Weather partly cloudy and squally but moderating. Barometer steady. Wind from N. N. W. Changed course at 4.08 to N by E. Patent log 2. Took in main trysail at 4.35. Mustered at quarters at 4.30. Aneroid at end of watch 30.38. Steam 46. Rws 46. Patent log 12. 11.*

*Signed.*

*L. P. Aus.*

*Lieut.*

*6 to 8 P.M. Cloudy and cool. Moderate breeze from N. W. by W. Moderate seas. Steam 46. Rws 46. Aneroid barometer 30.41. Patent log 25.1*

*Signed.*

*W. M. Inwin.*

*Lieut.*

*8 P.M. to Midnight. Overcast, cloudy and squally. Moderate N. W. and N. W. by W. breeze, increasing last hour in heavy squalls of wind and rain. Slight rise in barometer. At 8.10 took in fore topmast stay sail, and spanker, and brought ship to course N by W. Patent log 45.6. Steam 39. Rws 43. Aneroid 30.41.*

*Signed.*

*W. L. Hannum.*

*Lieut.*

*Moon mid*

*Dis  
Phase*

Examined and found to be correct.

*Mr. Kewez*

*Lieut Navigator.*



LOG of the UNITED STATES

Steamer "Essex"

3d Rate, 6 Guns,

Making passage from St Thomas, W.I. to New York

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	11 0		N x N	N x E.	6		30.20	67	64	62	71	be	thin cir cum	5	M	
2	11 5		"	N E x N.	5-7		30.20	67	64	62	71	beg p	"	5	"	
3	11 0		"	N x E.	6-7		30.22	67	64	62	71	"	"	5	"	
4	11 0		"	"	5-7		30.22	67	64	62	71	"	"	6	"	
5	11 0		"	"	5-7		30.21	67	66	62	73	beg	"	6	"	
6	11 0		"	"	5-7		30.24	67	66	62	73	"	"	5	"	
7	11 6		"	"	4-6		30.26	67	66	62	73	"	"	3	"	Set fore topt stay
8	11 8		N x N 1/2 N.	"	4-5		30.27	67	66	61	72	"	"	11	"	by sail and span
9	5 2		N x N	N E	4-5		30.27	67	66	62	72	"	"	11	"	
10	6 0		"	"	4-5		30.27	67	67	62	72	beg p	"	11	"	
11	7 0		"	"	4-5		30.30	67	67	62	72	be	"	5	"	
Noon.	7 0		"	"	4-5		30.32	67	67	62	72	"	"	5	"	

Distance run by Log since preceding Noon

132 knots 9 tenths

Latitude by D. R. at Noon

35° 13 ' "

Longitude by D. R. at Noon

73° 20 ' "

Latitude by Observations at Noon ☉

34° 55 ' "

Longitude by Chronometer from Forenoon Observations ☉

73° 37 ' "

Current during the time 25 knots fms. per hour, setting to the S.W.

764 Variation of the Compass by Amplitude ☉ observed at Sunrise

0 ' "

Variation of the Compass by Azimuth ☉ observed at 8 am

3 ' "

Water expended during the preceding 24 hours

350 gallons.

Water distilled during the preceding 24 hours

1400 "

Water remaining on hand fit for use at Noon

975 "

Coal consumed during the preceding 24 hours

16 tons 560 lbs.

Coal remaining on hand at Noon

99 " 1732 "

P. M.																
1	8 0	N x N	N E	5		30.32	67	66	61	72	be	thin	5 M			Set topsails with one reef
2	9 0	"	"	5		30.32	67	66	62	74	"	"	6 "			
3	9 0	"	"	5		30.33	67	66	61	74	"	"	5 "			
4	9 0	"	"	5		30.34	67	66	62	74	"	thin	11 "			
5	7 5	"	"	5		30.35	67	66	62	75	"	"	11 "			
6	8 0	"	"	5		30.36	67	65	62	75	"	"	5 "			Look second reef in topsails
7	7 5	"	N x N	3-6		30.38	67	65	61	75	begp	"	5 "			and one in foresail
8	5 0	"	"	4-6		30.41	67	67	61	74	"	"	3 "			
9	7 6	"	N E	4-6		30.45	67	64	60	73	beg	"	11 "			Look in topsails and
10	3 8	N x N	N x E.	4-5		30.50	67	65	61	68	begp	"	11 "			main trysail
11	6 0	N 1/2 E	N E.	4-5		30.48	67	65	61	68	"	"	3 "			Set fore topst stay'l
Mid.	7 2	"	N x E	4-5		30.48	67	64	61	68	begp	"	2 "			

Longitude by Chronometer from Afternoon Observations ☉

0 ' "

Longitude by Chronometer from Observations \*

0 ' "

Variation of the Compass by Amplitude observed at Sunset

0 ' "

Variation of the Compass by at

0 ' "



under the command of

Commander A. H. M<sup>r</sup> Conrick

, U. S. Navy,

Saturday December 27<sup>th</sup>

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather squally but not unpleasant Breeze stiff in squalls from N N E to N E by N. Barometer rising. Moderate sea running which ship rides easily dipping her nose now and then. Passing showers of rain Under steam pressure 42 lbs. making 42 revolutions. Patent log 63.5 knots. Under steam pressure Aneroid barometer 30.43.

Signed. Karl Rohrer. Lieut  
11 to 8 A.M. Fresh squalls with rising barometer and moderating breezes from N<sup>W</sup> and E. At 7 set fore topmast-staysail main trysail and foot of spanker, and brought the vessel by the wind. At end of watch vessel on her course heading N by W. Av steam 116. Revs 111. Aneroid bar. 30.53. Patent log 82 knots.

Signed. N. J. L. F. Halpine. Ensign  
8 A.M. to Meridian. Weather partly cloudy but generally pleasant. Fresh to moderate breeze from N E. Barometer steady. Heavy swell with chopping sea from N and E. At 10.40 got up and rove off preventer fore brace and set fore sail. Sighted a vessel on port bow at 11. Passed several pieces of floating timber. Aneroid at end of watch 30.56. Steam 114. Revs 45. Patent log 9.11.

Signed. C. P. Rus. Lieut  
Meridian to 11 P.M. Partly cloudy. Fresh breeze from N E sea moderating. Got up and rove off preventer braces for main yard. fore and main topsail yards set fore and main topsails with one reef in each. Crossed topgallant yards. Steam 111. Revs 44. Aneroid barometer 30.52. Patent log 11.11.

Signed. W. M. Inwin. Lieut  
11 to 6 P.M. Cloudy. Squally. Fresh N E breeze. Slight rise in barometer. At 11.20 took <sup>second</sup> reef in topsails and single reef in foresail. Patent log 60. Steam 35. Revs 44. Aneroid 30.62.

Signed. W. G. Hamnum. Ensign  
6 to 8 P.M. Pleasant weather though squally. Breeze gentle to fresh with squalls from E by N. Barometer rising. Under steam and sail. Steam pressure 41 lbs making 41 revolutions. Patent log 75.6 knots. Aneroid barometer 30.64. Rough sea running which ship rides easily.

Signed. Karl Rohrer. Lieut  
8 P.M. to Midnight. Generally cloudy and squally with passing showers and rising barometer. At 10 took in and furled all sail and changed course to N by E. Vessel off her course from 9.30 to 9.55 to sudden shift of wind. Wind and sea moderating towards end of watch. At 11.30 set fore topmast staysail, main trysail and foot of spanker. Av steam 43. Av revs 45. Patent log 102.9. Decided fall in surface temperature between first and second hours.

Signed. N. J. L. F. Halpine. Ensign

Moored mid  
Dec  
Phase

Examined and found to be correct.

M. K. Rogers

Chief Navigator.



## LOG of the UNITED STATES

Steamer *Essex*, 3d Rate, 6 Guns,  
 Making passage from St Thomas V.I. to New York

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	56		N 1/2 E	N 1/2 E	45		30.49	65	59	58	60	bcq	bcq	1	M	
2	60		"	"	45		30.49	64	60	58	59	"	"	1	"	
3	68		"	N E	45		30.50	64	59	57	59	bcq	"	1	"	Set fore topst staysail, main
4	64		"	"	45		30.50	64	59	57	59	"	"	1	"	trysail and spanker
5	60		"	"	45		30.50	64	59	57	59	bc	"	5	"	
6	67		"	"	45		30.50	64	59	57	59	"	bc	6	"	
7	74		"	"	45		30.50	64	59	57	59	"	"	6	"	
8	70		"	"	45		30.49	64	60	58	60	"	"	7	"	
9	68		"	"	4		30.52	64	60	58	60	"	"	5	"	
10	80		"	"	4		30.55	64	60	58	60	"	"	7	"	Set jib and flying jib
11	75		"	"	4		30.57	64	60	58	60	"	"	11	"	
Noon.	80		"	"	3		30.57	64	60	58	61	"	"	6	"	Look in spanker and main trys

Distance run by Log since preceding Noon

176 knots 6 fathoms

Latitude by D. R. at Noon

37° 48' " N

Longitude by D. R. at Noon

74° 09' " W

Latitude by Observations at Noon

37° 49' " N

Longitude by Chronometer from Forenoon Observations

74° 05' " W

Current during the time 4 knots fms. per hour, setting to the E

760

Variation of the Compass by Amplitude observed at Sunrise

0 " "

Variation of the Compass by Azimuth observed at 8 am.

3° 30' " W

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

675 "

Coal consumed during the preceding 24 hours

16 tons 560 lbs.

Coal remaining on hand at Noon

82 " 2212 "

P.M.	25	N 1/2 E															
1	55	N x E	N E	3	30.54	63	60	57	59	bc	circum gates	5	S				
2	75	"	"	3	30.56	63	60	57	59	"	"	7	"				
3	80	"	E x N	2	30.52	63	57	55	54	"	"	8	"				
4	80	"	N E x E	2	30.52	63	57	55	54	"	"	8	"				
5	76	"	"	2	30.52	63	57	55	53	bc	"	7	"				
6	78	"	"	2	30.52	63	57	55	53	"	circum	6	"				
7	82	"	"	2	30.52	63	57	54	53	"	"	7	"				
8	76	"	"	2	30.52	63	54	51	53	"	"	6	"				
9	74	"	N. N. E	3	30.54	63	53	50	53	"	"	8	"				
10	76	"	"	3	30.56	60	50	49	53	"	"	9	"				
11	78	"	"	3	30.58	60	50	49	52	"	"	8	"				
Mid.	80	"	"	3	30.58	60	50	49	52	"	"	8	"				

Longitude by Chronometer from Afternoon Observations

0 " "

Longitude by Chronometer from Observations

\*

0 " "

Variation of the Compass by Amplitude observed at Sunset

0 " "

Variation of the Compass by at

0 " "



under the command of

Commander A. H. M<sup>r</sup> Cornick

, U. S. Navy,

Sunday, Dec. 28

, 1881

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather cloudy, equally and rainy first half of watch; after wards clearing with steady N.E. breeze. Barometer steady. Took in fore and aft sails at 12.10. and set them again at 2. Aneroid at end of watch 30.70. Steam 40. Rws 44. Patent log 27.7.

Signed C. P. Rus.

Leut

4 to 8 A.M. Weather cloudy and cool. Moderate breeze from N.E. Long sea and ship rolling deeply at times. Barometer steady. Passed a sail standing to E. Steam 40 Rws 45. Aneroid barometer 30.76. Patent log 55.

Signed W. M. Irwin.

Leut

8 A.M. to Meridian. Cloudy, pleasant weather. Moderate N.E. and N.N.E. breeze. Rising barometer. At 9.15 inspected at quarters. One sail in sight at end of watch. Steady 37. Rws 45. Patent log 88.4. miles. Aneroid 30.76.

Signed

W. G. Hannum, Ensign

Meridian to 4 P.M. Clear and pleasant. Light to gentle breeze from E by N. to N.E. Barometer falling. Under steam, pressure 38 lbs. making 45 revolutions. Bent the cables. Patent log at end of watch 16.6 knots. Aneroid barometer 30.74.

Signed

Karl Rohrer.

Leut

4 to 6 P.M. Fair cool and damp. Vessel on her course throughout watch heading N by E. Passed a barque standing to N. and N.E. Unbent fore storm staysails. Aneroid barometer 30.75. Steam 37 lbs. Rws 45. Patent log 32.2.

Signed W. J. L. J. Halpin.

Ensign

6 to 8 P.M. Weather clear and pleasant. Gentle breeze from N.E. by E. Smooth sea. Barometer steady. Took in and stowed head sails at 7.15. Aneroid at end of watch 30.78. Steam 40 Rws 47. Patent log 48.2.

Signed

C. P. Rus.

Leut

8 P.M. to Midnight. Pleasant weather. Hazy around the horizon. Bright moonlight. Gentle breeze from N.E. Steam 40 lbs. Rws 46. Aneroid barometer 30.80. Patent log 78.8. Started fires in distilling boilers at 11<sup>00</sup>.

Signed W. M. Irwin

Leut

Examined and found to be correct.

M. L. L. L.

Leut

Namur

Moon & mid  
Dec  
Phase



## LOG of the UNITED STATES

Steamer *Essie*

3d Rate, 6 Guns,

Making passage from St. Thomas, V.I. to New York

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	6	1	N x E	N. N. E.	1		30.58	57	49	47	48	befm	cir cum	3		
2	6	1	"	"	1		30.58	57	49	47	48	"	"	1	"	
3	6	2	"	"	2		30.56	57	49	47	48	ocfm	"	0	"	
4	5	5	"	"	2		30.56	57	48	46	47	befm	"	3	"	
5	6	0	"	N x E	1		30.56	57	48	46	47	f	"	0	"	
6	6	0	"	NW	2		30.56	57	48	45	47	"	"	0	"	
7	5	5	"	"	2		30.56	57	47	43	46	"	"	0	"	
8	6	0	"	"	2		30.56	57	44	42	46	"	"	0	"	
9	7	0	"	"	2		30.58	57	44	42	46	"	"	0	"	
10	—	—	"	"	2		30.60	56	44	42	46	"	"	0	"	
11	2	6	N x E	"	2		30.62	55	45	43	46	"	"	0	"	
Noon.	3	0	NW	"	2		30.62	55	42	42	44	"	cir cum 3 cum	0	"	

Distance run by Log since preceding Noon

155 knots — fathoms.

Latitude by D. R. at Noon

0 1 "

Longitude by D. R. at Noon

0 1 "

Latitude by Observations at Noon ☉

0 1 "

Longitude by Chronometer from Forenoon Observations ☉

0 1 "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

0 1 "

Variation of the Compass by Azimuth ☉ observed at

0 1 "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

600 "

Water remaining on hand fit for use at Noon

975 "

Coal consumed during the preceding 24 hours

15 tons 700 lbs.

Coal remaining on hand at Noon

67 " 1512 "

P. M.																	
1		Calu	0	30.59	53	41	40	34	bef	cir cum	1	S					
2		"	0	30.57	54	43	42	34	ocf	"	0	"					
anchored off Sandy Hook N.Y.	NW	S. S. E.	1	30.55	52	44	43		ocm	"	0	"					
4	SW	"	1	30.55	55	45	44		"	"	0	"					
5	SW x S	S	1	30.54	57	45	43		befm	"	1	"					
6	"	S. S. W.	1	30.54	60	43	42		"	"	1	"					
7	S. S. W.	Calu	0	30.55	61	44	42		bef	"	2	"					
8	SW	SW	1	30.56	60	43	42		"	"	2	"					
9	"	WSW	1	30.55	60	44	43		"	cir cum cum	2	"					
10	"	WSW	1	30.54	59	43	42		"	"	3	"					
11	"	"	1	30.53	58	41	40		"	"	7	"					
Mid.	NW	"	1	30.51	58	40	39		"	"	7	"					

Longitude by Chronometer from Afternoon Observations ☉

0 1 "

Longitude by Chronometer from Observations \*

0 1 "

Variation of the Compass by Amplitude observed at Sunset

0 1 "

Variation of the Compass by at

0 1 "



under the command of

Commander A. W. M<sup>c</sup> Cormick  
Monday, December 29<sup>th</sup>

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Light N. N. E. airs. Slight fall in barometer  
At 1. and 3 stopped vessel and got casts of lead, 18 faths. Grey sand and gravel. Patent  
log at end of watch 40 miles. Aneroid 30.80. Commenced distilling

Signed. W. G. Hannum. Ensign  
4 to 8. A.M. Weather foggy. Light breeze from N by E to N.W. Barometer steady.  
Smooth sea. Under steam. pressure 37 lbs and making 37 revolutions. At 5. got a  
cast of the lead, found bottom at 15 1/2 fathoms, grey sand and gravel; at 7 took a  
another cast bottom at 15 fathoms, grey sand and gravel. Aneroid barometer 30.81  
Patent log 25.4.

Signed. Karl Rohrer. Lieut  
8 A.M. to Meridian. Foggy and damp. At 9 stopped vessel on account of fog. Sent  
boat in charge of navigators to examine Slick buoy. At 11.30 started ahead slow, at  
11.35 stopped, at 11.43 went ahead fast on course N.W. Spoke N.Y. Pilot-boat No. 17. Dis-  
tilling Aneroid barometer 30.80 Patent log 40.11. Steam lbs. Rees. Released Chris  
Carroll. Put him from confinement by order of Commanding Officer.

Signed. A. J. L. G. Halpine. Ensign  
Meridian to 4 P.M. Weather overcast and foggy. Light variable airs and calms  
Steamed in under direction of Commanding Officer and anchored at 2 off Sandy  
Hook. Passed a number of vessels and buoys. Standing by Scotland Light ship at  
12.50. Bearings from anchorage; Sandy Hook Light E 1/4 N. End of point N E 1/4 N. Steam  
whistle N E 1/4 N. Ship's head N by N. Draft of water, for'd 12 ft 6 in. Aft 15 ft 6 in. Banked  
fires to await clear weather. Kept fog bell going. Made preparations for port. Began  
painting outside of ship. Hoisted ship's number. Aneroid at end of watch 30.76.

Signed. C. P. Rees. Lieut  
4 to 6 P.M. Foggy and damp. Light airs from South to S. S. W. Painting ship  
outside. Fires banked. Aneroid barometer 30.76.

Signed. W. M. Irwin. Lieut  
6 to 8 P.M. Foggy. Obscured moonlight. Slight rise in barometer. Calms and light  
variable airs. Distilling. Aneroid barometer 30.75.

Signed. W. G. Hannum. Ensign  
8 P.M. to Midnight. Weather foggy. Light breeze from N S W to N. N. W. Barometer  
falling. Banked fires. Distilling. Flood tide made at 11.20. Aneroid barometer 30.74

Signed. Karl Rohrer. Lieut

Moon L mid.  
Dec  
Phase

Examined and found to be correct.

M. Kuey

Lieut. Navigator.



## LOG of the UNITED STATES

Steamer "Essex"  
Off Sandy Hook, N. Y.

3d Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
			Anchored N	N. W.	1		30.50	57	39	38		bw		0	S	
2	"		"	"	1		30.50	56	39	38		"		0	"	
3	"		"	S. W.	1		30.50	57	40	39		"		0	"	
4	"		N.	"	1		30.49	58	43	42		ocm w	circum	0	"	
5	"		S. W.	"	1		30.49	58	43	42		"	"	0	"	
6	"		S	"	1		30.49	58	43	42		"	"	0	"	
7	"		"	"	1		30.49	58	43	42		"	"	0	"	
8	"		"	"	1		30.49	58	43	42		"	"	0	"	
			Standing up N. Y.	"	1		30.49	58	43	42		"	"	0	"	
10			Boat	"	1		30.49	58	43	42		"	"	0	"	
11	5			N. N. W.	1		30.49	58	43	42		"	"	0	"	
Noon.	6 4			"	1		30.47	58	44	42		bc	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

300 gallons.

Water distilled during the preceding 24 hours

2225 "

Water remaining on hand fit for use at Noon

2900 "

Coal consumed during the preceding 24 hours

6 tons 1560 lbs.

Coal remaining on hand at Noon

60 " 2192 "

P. M.																	
1				N N W	1		30.44	59	46	44		bc m w	circum		1	S	
2			S W	S. S. W	2		30.40	59	51	49		bc m	"		5	"	
Anchored			N N x N.	N. S. W.	2		30.38	61	52	50		ocm	"		0	"	
Moored			"	"	1		30.38	61	52	50		"	"		0	"	
5	"		N x E	"	1		30.35	61	53	50		"	"		0	"	
6	"		N. S. W.	S. W.	1		30.35	61	53	51		"	"		0	"	
7	"		N N	"	2		30.35	62	53	51		"	"		0	"	
8	"		"	"	1		30.31	65	52	50		bc	"		0	"	
9	"		"	"	1		30.31	65	52	50		"	"		0	"	
10	"		"	"	1		30.31	65	52	50		ocm	"		0	"	
11	"		N N W	"	1		30.31	65	52	48		"	"		0	"	
Mid.	"		N N,	"	1		30.31	65	49	46		oc	"		0	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by at

° ' "



under the command of

Commander A. W. M. Cornick  
Tuesday, December 30

, U. S. Navy,

1884

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Overcast and damp with dense fog first half of watch, clearing weather to N<sup>W</sup> and W<sup>W</sup> last hour, Distilling. Riding to ebb from 3.30. Aneroid barometer 30.72.

Signed. A. J. L. Halpine. Ensign  
11 to 8 A.M. Overcast and foggy. Light airs from S.W. Barometer steady. Stopped distilling and banked fires. Aneroid at end of watch 30.70.

Signed. K. P. Rus. Lieut  
8 A.M. to Meridian. Overcast and cloudy, slightly misty, gradually clearing. Light breeze from S.W. hauling to N.W. At 9.05 sent down top gallant yards and housed top gallant masts. At 9.45 called all hands up anchor, hove up port anchor and at 10.15 went ahead one bell, at 10.15 went ahead four bells. Standing up New York Bay under guidance of Commanding Officer. Aneroid barometer 30.68.

Signed. W. M. Irwin. Lieut  
Meridian to 4 P.M. Weather cloudy and misty with light airs to light breezes from N.N.W. to W.S.W. Slowly rising barometer. At 12.20 stopped and health officer came alongside. went ahead at 12.25. At 1.20 called all hands bring ship to anchor. At 1.50 exchanged numbers with Receiving ship "Vermont" and at 2. came to with <sup>port</sup> anchor in 5 fathoms water. bearing to 15 fathoms chain. At 2.20 Captain left the ship to pay official calls. At 2.25 made signal int. 6061; sent up top gallant masts. At 2.35 made sig. 6060; sent down top gallant masts and at 3.30 sent them up again and moored ship. Bearings of anchorage: 300 yards north of Receiving ship "Vermont." Aneroid barometer 30.68.

Signed. W. G. Hannum. Ensign  
4 to 8 P.M. Overcast and cloudy, slightly misty greater part of watch. Moored ship with 30 fathoms on each chain: put on mooring swives. Aneroid barometer 30.64.

Signed. W. M. Irwin. Lieut  
8 P.M. to Midnight, Overcast and hazy with stationary barometer and light airs from S.W. and W.W. Ebb tide at end of watch. Aneroid barometer 30.50. Fires banked under heating boilers.

Signed. A. J. L. Halpine. Ensign

Moon and  
Dec  
Phase

Examined and found to be correct.

Mr. George  
Lieut & Navigator.



## LOG of the UNITED STATES

*Steamer "Essex"*  
Navy Yard, N. Y.

3d Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
	Moored		S E	N A W	1		30.31	65	52	49	ocm	ci cum 3 cum	0		S	
2	"		E. S E	Nk.	0.5		30.30	65	52	49	bcm	"	1	"	"	
3	"		N	N A W	1		30.28	65	52	49	ocm	"	0	"	"	
4	"		"	"	1		30.27	65	52	49	ofc	"	0	"	"	
5	"		"	S S W	1		30.24	63	50	49	ofw	+	0	"	"	
6	"		"	"	1		30.22	62	51	49	"	+	0	"	"	
7	"		"	"	1		30.20	62	51	49	"	+	0	"	"	
8	"		S S W	"	1		30.19	64	56	50	"	+	0	"	"	
9	"		"	"	1		30.19	64	51	50	"	+	0	"	"	
10	"		E N E	"	1		30.14	63	53	52	"	+	0	"	"	
11	"		"	"	1		30.10	63	53	52	"	+	0	"	"	
Noon.	"		"	"	1		30.08	62	55	54	"	+	0	"	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

0 1 "

Longitude by D. R. at Noon

0 1 "

Latitude by Observations at Noon ☉

0 1 "

Longitude by Chronometer from Forenoon Observations ☉

0 1 "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

0 1 "

Variation of the Compass by Azimuth ☉ observed at

0 1 "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2600 "

Coal consumed during the preceding 24 hours

2 tons 2120 lbs.

Coal remaining on hand at Noon

58 " 72 "

P. M.																	
1	"		S. E	S. S. W.	1		30.08	62	55	54		bcm	ci cum	"	3	"	S
2	"		"	"	1		30.08	62	55	54		"	"	"	3	"	"
3	"		S. S. E	S. E	1		30.08	62	58	56		"	"	"	5	"	"
4	"		"	"	1		30.08	62	58	56		"	"	"	3	"	"
5	"		N. S. W.	S. W.	2		30.08	63	60	58		ocm	"	"	0	"	"
6	"		"	"	2		30.07	63	60	58		bc	"	"	0	"	"
7	"		"	"	2		30.07	65	60	58		"	"	"	0	"	"
8	"		"	"	2		30.07	70	60	58		"	"	"	0	"	"
9	"		"	S. W. S.	2		29.97	70	60	58		ocf	ci cum	3 cum	0	"	"
10	"		S. W. S.	"	3		29.97	67	59	57		oc	"	"	0	"	"
11	"		N E	"	2		29.95	67	59	57		"	"	"	0	"	"
Mid.	"		S. E	"	2		29.92	67	59	67		"	"	"	0	"	"

Longitude by Chronometer from Afternoon Observations ☉

0 1 "

Longitude by Chronometer from Observations \*

0 1 "

Variation of the Compass by Amplitude observed at Sunset

0 1 "

Variation of the Compass by at

0 1 "



under the command of

Commander A. H. M<sup>c</sup> Cormick  
Wednesday, December 31st

, U. S. Navy,

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather pleasant but foggy in latter part of watch, and hazy in first part. Light breeze from N. S. W. Barometer steady. Banked fires under two boilers for heating ship. Aneroid barometer 30.118.

\* 4 A.M. to Meridian Weather overcast foggy and damp. Barometer falling slowly. At 9.30 mustered at quarters. At 9.45 Captain and Officers went ashore to receive new Commandant of yard. Aneroid barometer 30.314.

Meridian to 4 P.M. Weather pleasant but foggy. Light breeze from S. E. to S. W. Barometer steady. Fires banked under two boilers. Aneroid barometer 30.23.

4 to 8 P.M. Weather cloudy but pleasant. Light breeze from S. W. Barometer falling. Fires banked under two boilers. Aneroid barometer 30.19. Mustered at quarters at 11.30; served out clean hammocks.

8 P.M. to Midnight. Weather pleasant. Light to gentle breeze from S. W. Barometer falling. Fires banked under two boilers for heating purposes. Aneroid barometer 30.14.

\* 11 to 8 A.M.

Signed. Karl Rohrer. Lieut

Moon's mid.  
Dec  
Phase

Examined and found to be correct.

W. Kennedy

Lieut. Navigator.



## LOG of the UNITED STATES

Steamer *Essex*

3d

Rate,

6

Guns,

Navy Yard, New York

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
Moored			E x S.	S. W. x S.	2		29.90	67	59	57		cc	qir cum	0		S
2	"		E	S. S. W.	2		29.89	67	59	57		cc d	"	0	"	
3	"		S. S. W.	W	2		29.89	67	59	57		"	"	0	"	
4	"		"	"	2		29.89	68	59	57		"	"	0	"	
5	"		"	"	2		29.89	68	56	54		"	qir cum 3 miles	0	"	
6	"		"	"	1		29.89	68	56	54		"	"	0	"	
7	"		N. N. W.	"	1		29.89	68	56	54		"	"	0	"	
8	"		N. E.	"	1		29.89	68	56	54		"	"	0	"	
9	"		"	"	2		29.91	64	53	48		"	"	0	"	
10	"		"	"	3		29.92	64	54	48		cc	"	0	"	
11	"		"	"	3		29.92	64	54	48		"	"	0	"	
Noon.	"		"	N. N. W.	3		29.92	65	54	49		"	"	0	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2300 "

Coal consumed during the preceding 24 hours

1 tons 200 lbs.

Coal remaining on hand at Noon

56 " 2012 "

P. M.																
1	"		N. E.	N. W.	3		29.92	65	50	49		cc	qir cum	0		S
2	"		N. W.	"	3		29.92	65	45	41		"	"	0	"	
3	"		"	N. W. x S.	4		29.92	65	43	38		"	"	0	"	
4	"		"	"	4		29.92	65	43	38		"	"	0	"	
5	"		"	"	4		29.94	64	43	38		"	"	0	"	
6	"		"	"	4		29.94	60	40	36		"	"	0	"	
7	"		N. E.	N.	4-5		29.96	49	40	36		"	"	0	"	
8	"		"	"	5		29.96	49	40	36		"	"	0	"	
9	"		"	N. W.	4-5		29.99	56	33	28		bcg	"	3	"	
10	"		"	"	4-5		30.02	56	33	29		"	"	5	"	
11	"		"	"	4-5		30.05	61	33	29		"	"	6	"	
Mid.	"		"	"	4-5		30.08	61	30	26		"	"	4	"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

\* at

" " "



under the command of

Commander A. H. M<sup>r</sup> Cornick

, U. S. Navy,

Thursday, January 1<sup>st</sup>

, 1881.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather overcast and misty first part of watch, drizzling rain latter part. Light breeze from S. W by S to West, Guns banked under two boilers, Aneroid barometer 30.14.

Signed, A. J. L. G. Halpine, Ensign

11 to 8 A.M. Weather overcast and damp. Light breeze from West, Barometer steady. Guns banked under two boilers, Aneroid barometer 30.13.

Signed, W. G. Hammum, Ensign

8 A.M. to Meridian. Weather overcast and cloudy, damp first part of watch. Light to gentle breezes from W to W. N. W. Barometer steady. Aneroid barometer 30.16.

Signed, Karl Rohrer, Lieut

Meridian to 11 P.M. Weather overcast, cloudy and cool with gentle to fresh breeze from N. W. to N. W by N. Barometer steady. At 3 made Sub signal to Flagship 61444, Ans. 904. Aneroid barometer 30.18.

Signed, W. G. Halpine, Ensign

11 to 8 P.M. Overcast and cloudy. Moderate to stiff wind from N. W. and North, Aneroid barometer 30.28.

Signed, P. C. Potter, Ensign

8 P.M. to Midnight, Cloudy and cool. Rising barometer. Aneroid barometer 30.30. Guns banked under heating boilers.

Signed, A. J. L. G. Halpine, Ensign

Moon lined  
Dec  
Phase

Examined and found to be correct.

W. Keio

Hubb Navigator.



LOG of the UNITED STATES

Steamer "Essex"  
Off New York Navy Yard

3d Rate, 6 Guns,

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
	Moored		NW	NW	4-6		30.15	62	27	23		bcg	ci cum	7	S	
2	"		"	"	4-6		30.18	62	27	23		"	"	6	"	
3	"		NW N	NW N	4-6		30.18	62	26	23		"	"	5	"	
4	"		"	"	4-6		30.20	62	25	23		"	"	4	"	
5	"		"	"	4-6		30.21	62	25	23		"	"	6	"	
6	"		NE N	NW	4-6		30.21	62	25	23		"	"	6	"	
7	"		"	"	4-6		30.21	62	25	23		"	"	7	"	
8	"		"	"	5		30.21	62	23	20		bc	"	8	"	
9	"		"	"	5		30.21	62	22	20		"	"	8	"	
10	"		N	"	5		30.29	65	22	20		"	"	4	"	
11	"		"	"	5		30.36	65	21	22		"	"	4	"	
Noon.	"		NE	"	5		30.44	65	24	24		"	"	7	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

2000 "

Coal consumed during the preceding 24 hours

1 tons 1360 lbs.

Coal remaining on hand at Noon

55 " 752 "

P. M.																
1	"		NE	NW	4		30.50	62	24	24		bc	ci cum	6	"	
2	"		"	"	4		30.50	65	24	24		"	"	6	"	
3	"		"	"	5		30.50	65	22	22		"	"	6	"	
4	"		"	"	5		30.53	65	22	22		"	"	6	"	
5	"		"	"	5		30.61	65	20	20		"	"	6	"	
6	"		NW	"	5		30.65	67	19	17		"	"	6	"	
7	"		"	"	5		30.67	69	18	17		"	"	7	"	
8	"		E	"	11		30.69	70	17	16		"	ci	9	"	
9	"		NE	"	4-5		30.70	72	18	17		bcg	"	9	"	
10	"		"	"	3-4		30.72	72	18	17		"	"	9	"	
11	"		"	"	3-4		30.73	73	18	17		"	"	9	"	
Mid.	"		"	"	3		30.73	73	17	17		bc	"	9	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by at

° ' "



under the command of

Commander A. H. M<sup>r</sup> Cornick

, U. S. Navy,

Friday, January 2<sup>d</sup>

, 1884.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Weather partly cloudy and squally and growing very cold with rising barometer. Steady breeze from N<sup>e</sup> and W<sup>e</sup>. Bright moonlight. Aneroid at end of watch 30.44.

Signed.

C. P. Rus

Lieut

11 to 8 A.M. Weather clear and cold. Barometer rising. Fresh breeze from N.W. Aneroid at end of watch 30.55.

Signed.

Wainwright Kellogg.

Lieut

8 A.M. to Meridian. Clear and cold. Board of Inspection of which Commodore De Kaft is president came on board at 10.55 and commenced general inspection of this vessel. Aneroid barometer 30.64. Slight rise in barometer.

Signed.

A. J. L. I. Halpine.

Ensign

Meridian to 4 P.M. Weather clear and cold. Steady breeze from N.W. Barometer rising. At 1.20 resumed the inspection. Exercised at battalion drill, small arms and single sticks, Marine guard at 3 in rifle and skirmish drill, and crew at fire quarters. Aneroid at end of watch 30.75. The Board of Inspection left the ship at 3.15 having finished the inspection and being attended with the usual ceremonies.

Signed.

C. P. Rus

Lieut

4 to 8 P.M. Clear and cold with fresh breezes from N<sup>e</sup> and W<sup>e</sup>. with rising barometer. Aneroid barometer 30.84.

Signed.

A. J. L. I. Halpine.

Ensign

8 P.M. to Midnight. Weather clear and cool. Bright moonlight. Light breeze from N<sup>e</sup> and W<sup>e</sup>. Barometer high and rising. Aneroid at end of watch 30.88.

Signed.

C. P. Rus.

Lieut

Moon and

Disc  
Phase

Examined and found to be correct.

M. Kury

Lieut 3 Navigator.



## LOG of the UNITED STATES

Steamer "Essex", 3d Rate, 6 Guns,  
Off New York Navy Yard

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	Moored		N. A. E.	N. W.	3		30.76	51	17	17		bc	ci's	9	S	
2	"		"	"	3		30.78	51	15	15		b	—	10	"	
3	"		E. N. E.	"	3		30.79	52	15	15		"	—	10	"	
4	"		"	"	3		30.79	51	15	15		"	—	10	"	
5	"		"	"	3		30.79	51	11	11		"	—	10	"	
6	"		N. W. + N.	"	11		30.81	53	11	11		"	—	10	"	
7	"		N. + N.	"	3		30.81	53	14	14		bc	Circum	9	"	
8	"		S. W.	E.	2		30.83	53	14	14		"	"	9	"	
9	"		"	"	2		30.88	53	14	14		"	"	8	"	
10	"		S. W. + N.	"	2		30.90	53	20	20		"	"	8	"	
11	"		E. S. E.	S. W.	2		30.90	53	20	20		"	"	7	"	
Noon.	"		"	"	1		30.92	53	22	22		"	"	6	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1700 "

Coal consumed during the preceding 24 hours

2 tons 320 lbs.

Coal remaining on hand at Noon

53 " 432 "

P. M.																
1	"		N	S. S. W.	2		30.90	64	28	25		bc	Circum	6	S	
2	"		E	"	2		30.90	64	26	24		"	"	3	"	
3	"		E + S	"	2		30.80	64	28	07		"	"	14	"	
4	"		"	"	2		30.84	62	28	27		"	"	2	"	
5	"		"	Var	0-1		30.84	62	29	27		"	"	7	"	
6	"		N S W	"	0-1		30.80	61	28	27		"	"	8	"	
7	"		"	"	0-1		30.79	59	28	27		"	"	8	"	
8	"		"	"	0-1		30.79	59	28	27		"	Ci's	8	"	
9	"		"	"	0-1		30.77	59	28	27		"	Circum	7	"	
10	"		"	"	0-1		30.74	59	28	27		"	"	8	"	
11	"		N.	"	0-1		30.74	59	28	27		"	"	8	"	
Mid.	"		"	"	0-1		30.74	59	28	27		"	"	7	"	

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by

at

° ' "



under the command of

Commander A. H. M. Cornick  
Saturday, January 30

, U. S. Navy,

, 1883.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Overcast and cold, Bright moonlight - Moderate breeze from N.W. Aneroid barometer 30.95

Signed

W. M. Irwin.

Lieut

11 to 8 A.M. Clear and cold. Fires banked under two heating boilers. Rising barometer. Aneroid 31.04.

Signed

A. J. L. J. Halpine.

Ensign

8 A.M. to Meridian, Weather clear and cold, Light variable winds. Barometer steady. Mustered at quarters at 9.30. Lieut. O. C. Perryman, M.D. left the ship on two days leave of absence at 11.50. Aneroid at end of watch 31.03.

Signed

C. P. Rees

Lieut

Meridian to 11 P.M. Clear and cold, Gentle breeze from S.E. W. Barometer falling. Surgeon M. L. Ruth and Lieut W. H. Parker left the ship to be absent until Monday morning; 5<sup>th</sup> inst, Aneroid barometer 30.98.

Signed

W. M. Irwin.

Lieut

11 to 8 P.M. Weather clear and cold, Light variable winds. Barometer falling. Mustered at quarters at 11.30. Aneroid at end of watch 30.94.

Signed

C. P. Rees.

Lieut

8 P.M. to Midnight, Weather clear and cold, Light variable winds. Barometer falling. Mustered at quarters at 11.30. Aneroid at end of watch 30.94.

Signed

W. M. Irwin

Lieut

Moon/Cloud

Dec

Phase

Examined and found to be correct.

W. George  
Lieut & Navigator.



LOG of the UNITED STATES

Steamer "Essex"

3d

Rate,

6

Guns,

Navy Yard, New York.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1	Moored		E A E	N S W	2		30.70	55	28	27		bc	circum	6	S	
2	"		"	"	3		30.70	55	28	27		"	"	7	"	
3	"		N E	N W	11		30.70	55	28	26		"	cum & cir cum	5	"	
4	"		"	"	14		30.69	55	28	26		"	"	2	"	
5	"		E S E.	N S W	1		30.66	55	28	27		"	"	2	"	
6	"		"	"	1		30.66	55	28	27		oc	"	0	"	
7	"		"	"	1		30.66	55	28	27		"	"	0	"	
8	"		"	"	1		30.66	55	30	29		bc	"	1	"	
9	"		N S W	"	1		30.61	57	31	29		bcs	"	1	"	
10	"		S W x W	S. W	1		30.61	57	30	29		"	"	1	"	
11	"		"	"	1		30.60	60	30	29		ocfs	"	0	"	
Noon.	"		"	"	1		30.60	60	30	29		"	"	0	"	

Distance run by Log since preceding Noon

knots

fathoms.

Latitude by D. R. at Noon

°

'

"

Longitude by D. R. at Noon

°

'

"

Latitude by Observations at Noon ☉

°

'

"

Longitude by Chronometer from Forenoon Observations ☉

°

'

"

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

°

'

"

Variation of the Compass by Azimuth ☉ observed at

°

'

"

Water expended during the preceding 24 hours

300

gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

1400

"

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P. M.																
1	"		E	S. W.	1		30.48	60	30	29		oc	circum	0	S	
2	"		"	"	1		30.46	60	33	30		och	"	0	"	
3	"		"	Var	0-1		30.46	60	31	33		"	"	0	"	
4	"		"	"	0-1		30.46	61	31	33		"	"	0	"	
5	"		"	Calu	0		30.45	61	37	36		ocms	"	0	"	
6	"		"	"	0		30.42	63	38	37		"	"	0	"	
7	"		N S W.	S W	0-1		30.40	63	38	36		oc	"	0	"	
8	"		"	"	0-1		30.38	65	37	36		ocm	"	0	"	
9	"		E	"	1		30.36	63	37	36		"	"	0	"	
10	"		N N W.	"	1		30.36	63	37	36		bc	"	5	"	
11	"		"	"	1		30.36	63	37	36		"	"	7	"	
Mid.	"		N x S.	"	1		30.36	63	37	36		"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉

°

'

"

Longitude by Chronometer from Observations \*

°

'

"

Variation of the Compass by Amplitude observed at Sunset

°

'

"

Variation of the Compass by at

°

'

"



under the command of

Commander A. H. M<sup>o</sup> Connick  
Sunday, January 11<sup>th</sup>

, U. S. Navy,

, 1885.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Clear and cold first part of watch, cloudy latter part, Light to moderate breeze from N S W to N. W. Barometer steady. Fires banked under two boilers. Aneroid barometer 30.81.

Signed. Lt. G. Hannum. Ensign  
4 to 8 A.M. Weather overcast and cold, Light winds from N N W. Barometer steady. Beginning to snow last hour of watch. Aneroid 30.80.

Signed. Lt. P. Russ. Lieut  
8 A.M. to Meridian Cloudy, Pleasant, Light airs from N N W. Barometer steady. Mustered at quarters at 9.30. Aneroid barometer 30.75.

Signed. Lt. M. Irwin. Lieut  
Meridian to 4 P.M. Weather overcast and cold, Light airs from S. W. Barometer steady. Aneroid 30.64. Fires banked under two boilers.

Signed. Lt. G. Hannum. Ensign  
4 to 8 P.M. Overcast and cloudy with light fall of snow first hour. Light airs from S. W first part, variable, airs remainder of watch. Aneroid 30.57

Signed. Lt. M. Irwin. Lieut  
8 P.M. to Midnight, Weather overcast with gentle breeze from S. W. Barometer steady. Fires banked under two boilers. Aneroid barometer 30.54.

Signed. Lt. G. Hannum. Ensign

Moored mid  
Dec  
Phase

Examined and found to be correct.

W. George  
Lieut 3 Navigator.



## LOG of the UNITED STATES

Steamer Essex

3d

Rate,

6

Guns,

Navy Yard, New York

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
	Anchored	N x S	SW		1		30.34	60	34	32		bc	cir cum	6	5	
2	"	"	"	"	1		30.32	60	34	32		"	"	5	"	
3	"	E	Var		0-1		30.32	60	34	32		"	cir	9	"	
4	"	"	"	"	0-1		30.29	60	34	32		"	"	9	"	
5	"	"	SW		1		30.29	60	34	32		"	"	8	"	
6	"	"	"	"	1		30.29	60	34	32		"	"	8	"	
7	"	"	"	"	1		30.29	58	34	32		"	"	7	"	
8	"	W	"	"	1		30.29	58	34	32		"	"	6	"	
9	"	"	SW		1		30.30	59	32	31		"	"	8	"	
10	"	"	"	"	3		30.30	59	34	33		"	"	8	"	
11	"	"	SW		2		30.27	60	38	37		"	"	8	"	
Noon.	"	"	"	"	3		30.27	60	37	37		"	"	8	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

Longitude by D. R. at Noon

Latitude by Observations at Noon ☉

Longitude by Chronometer from Forenoon Observations ☉

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

Variation of the Compass by Azimuth ☉ observed at

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

Water remaining on hand fit for use at Noon

1100 "

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

P. M.																
1	"	N x S	SW		2		30.22	60	39	39		bc	cir cum	8	"	
2	"	E	"		2		30.20	60	39	39		"	"	8	"	
3	"	"	"		3		30.20	60	38	37		"	"	8	"	
4	"	SW	"		3		30.20	60	38	37		"	"	6	"	
5	"	"	"		2		30.20	60	38	37		"	"	5	"	
6	"	E	"		2		30.21	60	38	37		"	"	7	"	
7	"	S. S. E	"		1		30.21	60	38	37		ocd	cir cum	0	"	
8	"	"	"		1		30.21	60	38	37		bc	"	2	"	
9	"	SW	Var		0-1		30.21	62	38	37		"	"	5	"	
10	"	"	"		0-1		30.21	62	38	37		ocd	cir cum	0	"	
11	"	"	"		0-1		30.20	63	39	37		"	"	0	"	
Mid.	"	"	"		0-1		30.20	63	39	37		"	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉

Longitude by Chronometer from Observations \*

Variation of the Compass by Amplitude observed at Sunset

Variation of the Compass by at



under the command of

Commander A. H. M<sup>o</sup> Cormick  
Monday, January 5<sup>th</sup>

, U. S. Navy.

, 1885.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 11 A.M. Clear and cold, Light variable airs, Falling barometer, Fires banked under two boilers. Aneroid barometer 30.53.

11 to 6 A.M. Clear and cold, Light airs from S.W. Fires banked, Aneroid barometer 30.53.

6 A.M. to Meridian, Clear and cold, Light N.W. breeze, shifting to W.S.W. Slight fall in barometer. At 9.30 inspected at quarters. At 10.30 made int. 5455, Vermont answered and made 904. Tossed sail to dry. Fires banked under two boilers. Aneroid barometer 30.49.

Meridian to 4 P.M. Weather cold but not unpleasant, Light to gentle breeze from S.W. Barometer falling slowly. At 1. made int. signal "6107" which Vermont answered with "964". Tuffed and unbent square sail. Aneroid barometer 30.46.

4 to 8 P.M. Weather pleasant, Light breeze from S.W. Barometer steady. Fires banked under two boilers. Aneroid barometer 30.44. By direction of the Secretary of the Navy, dishonorably discharged from the Naval Service of the United States Jas. J. Morrissey (Sea) Chas. B. Elliot, (Sea), and Lincoln M<sup>o</sup> Gu, (Land).

8 P.M. to Midnight. Weather rainy. Breeze light in force and variable in direction. Barometer falling. Fires banked under two boilers for heating ship. Aneroid barometer 30.41.

Signed, Karl Rohrer, Lieut

Moon and

Sec  
Phase

Examined and found to be correct.

M. George

Lieut. J. Navigator.



## LOG of the UNITED STATES

Steamer "Essex"

3d

Rate,

6

Guns,

Navy Yard, New York

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
	Anchor'd		N x S	S	1		30.16	64	37	36	ocp	scum	0	S		
2	"		N E x N.	"	1		30.15	64	37	36	"	"	0	"		
3	"		"	"	1		30.12	64	38	36	ocv	"	0	"		
4	"		"	"	1		30.10	64	38	36	"	"	0	"		
5	"		"	S. S. W	1		30.00	64	38	36	ocrf	scum 3 miles	0	"		
6	"		E	SW	1		29.99	64	39	38	"	"	0	"		
7	"		"	"	1		29.96	64	39	38	"	"	0	"		
8	"		"	N.	1		29.97	64	39	38	"	"	0	"		
9	"		W S W.	S. S. W	2		29.96	62	47	44	"	"	0	"		
10	"		"	"	2		29.85	62	51	50	ocv	"	0	"		
11	"		S. W	"	2		29.80	65	54	52	oc	"	0	"		
Noon.	"		"	"	1		29.75	65	54	53	"	"	0	"		

Distance run by Log since preceding Noon

knots

fathoms.

Latitude by D. R. at Noon

°

'

"

Longitude by D. R. at Noon

°

'

"

Latitude by Observations at Noon ☉

°

'

"

Longitude by Chronometer from Forenoon Observations ☉

°

'

"

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

°

'

"

Variation of the Compass by Azimuth ☉ observed at

°

'

"

Water expended during the preceding 24 hours

300

gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

800

"

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P. M.																	
1	"		<i>SW</i>	<i>SE</i>	<i>1</i>		<i>29.71</i>	<i>65</i>	<i>51</i>	<i>50</i>		<i>ocv</i>	<i>scum</i>	<i>0</i>	"		
2	"		"	"	<i>1</i>		<i>29.67</i>	<i>65</i>	<i>52</i>	<i>51</i>		"	"	<i>0</i>	"		
3	"		"	<i>S</i>	<i>3</i>		<i>29.62</i>	<i>59</i>	<i>53</i>	<i>52</i>		<i>oc</i>	"	<i>0</i>	"		
4	"		"	<i>SW</i>	<i>3</i>		<i>29.62</i>	<i>59</i>	<i>53</i>	<i>52</i>		"	"	<i>0</i>	"		
5	"		<i>N.</i>	<i>SW</i>	<i>2</i>		<i>29.60</i>	<i>59</i>	<i>56</i>	<i>52</i>		<i>bc</i>	"	<i>2</i>	"		
6	"		<i>SE</i>	<i>calm.</i>	<i>0</i>		<i>29.60</i>	<i>59</i>	<i>55</i>	<i>52</i>		<i>ocv</i>	"	<i>0</i>	"		
7	"		"	<i>SW</i>	<i>1</i>		<i>29.60</i>	<i>59</i>	<i>54</i>	<i>52</i>		<i>ocv</i>	"	<i>0</i>	"		
8	"		<i>SE</i>	"	<i>1</i>		<i>29.60</i>	<i>59</i>	<i>54</i>	<i>52</i>		<i>ocp</i>	"	<i>0</i>	"		
9	"		<i>W</i>	<i>SW</i>	<i>2</i>		<i>29.60</i>	<i>65</i>	<i>55</i>	<i>54</i>		<i>oc</i>	"	<i>0</i>	"		
10	"		"	"	<i>2</i>		<i>29.59</i>	<i>65</i>	<i>55</i>	<i>54</i>		"	"	<i>0</i>	"		
11	"		"	"	<i>3</i>		<i>29.58</i>	<i>64</i>	<i>56</i>	<i>54</i>		"	"	<i>0</i>	"		
Mid.	"		"	"	<i>3</i>		<i>29.57</i>	<i>62</i>	<i>56</i>	<i>54</i>		"	"	<i>0</i>	"		

Longitude by Chronometer from Afternoon Observations ☉

°

'

"

Longitude by Chronometer from Observations \*

°

'

"

Variation of the Compass by Amplitude observed at Sunset

°

'

"

Variation of the Compass by

at

°

'

"



under the command of

Commander A. H. M<sup>r</sup> Cornick

, U. S. Navy,

Tuesday, January 6<sup>th</sup>

, 1885.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences, and until 11 A.M. Overcast and rainy throughout watch with light airs from S<sup>d</sup>. Slight fall in barometer. Aneroid 30.30

Signed A. J. L. S. Halpine. Ensign  
11 to 8. A.M. Overcast rainy and foggy. Light breeze from North to S. S. W. Barometer falling slowly. Fires banked under two boilers for heating ship. Received on board fresh provisions for crew. Aneroid barometer 30.14

Signed. W. L. Hammum. Ensign  
8 A.M. to Meridian. Weather rainy and foggy in first part of watch, light-ning up somewhat in latter part. Light breeze from S. S. W. Barometer falling. Fires banked under two boilers for heating ship. Surgeon M. L. Ruth. Lieut. W. H. Parker, and 1<sup>st</sup> Lieut. C. B. Berryman U.S.M. returned from leave. Brought the powder lighter alongside ready to receive our ammunition when the weather serves. Aneroid barometer 30.00

Signed Karl Rohrer. Lieut  
Meridian to 4 P.M. Overcast and rainy with falling barometer and variable breezes. Transferred to U.S.A. Hospital with bags hammocks and customary papers the following named men: Peter George (Sea) W<sup>m</sup> M<sup>r</sup> Mully (Sea) Adolph Cochran (1<sup>st</sup> Lt. Fire) Geo. W. Lee, (C.H.) and Lionel S. Qudley (CS2Lt) Aneroid 30.90

Signed. N. J. L. S. Halpine. Ensign  
4 to 8. P.M. Weather overcast rainy and misty. Calms and light airs from Sd and Wd. Barometer steady. Aneroid 30.90. Fires banked under two boilers

Signed Karl Rohrer. Lieut  
8 P.M. to Midnight. Overcast and cloudy with falling barometer, and gentle breezes from Sd and Wd. Aneroid barometer 30.86

Signed A. J. L. S. Halpine Ensign

Moon & mid  
Sec  
Phase

Examined and found to be correct.

W. Kennedy

Lieut & Navigator.



LOG of the UNITED STATES

Steamer "Essex"

3<sup>rd</sup> Rate,

6 Guns,

Navy Yard, New York

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
Anchored			S	S.W.	3-4		29.56	64	55	53	OC	cumt cir cum	0		S	
2	"		"	"	3		29.55	64	54	52	"	"	0	"	"	
3	"		E.N.E.	"	1		29.55	65	53	52	"	"	0	"	"	
4	"		"	"	1		29.55	65	53	52	"	"	0	"	"	
5	"		E	"	1		29.55	67	54	52	"	"	0	"	"	
6	"		"	"	1		29.55	69	54	52	bc	"	3	"	"	
7	"		E.S.E.	"	1		29.55	69	54	52	bcd	"	2	"	"	
8	"		"	"	1		29.55	69	54	52	bc	"	2	"	"	
9	"		"	"	1		29.55	69	54	52	"	cir cum	3	"	"	
10	"		W.N.W.	W	1		29.55	69	50	49	"	"	5	"	"	
11	"		"	"	1		29.56	69	50	46	"	"	6	"	"	
Noon.	"		"	"	2		29.56	69	50	46	"	"	5	"	"	

Distance run by Log since preceding Noon

knots

fathoms.

Latitude by D. R. at Noon

0

1

"

Longitude by D. R. at Noon

0

1

"

Latitude by Observations at Noon ☉

0

1

"

Longitude by Chronometer from Forenoon Observations ☉

0

1

"

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

0

1

"

Variation of the Compass by Azimuth ☉ observed at

0

1

"

Water expended during the preceding 24 hours

300 gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

500

"

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P. M.																	
1	"		N.N.E.	N.W.	3.5		29.56	65	48	42		bcg	cumt cir cum	4		S	
2	"		W.N.	W.N.W.	3.5		29.56	65	48	42		"	"	1	"	"	
3	"		N.E.	"	3.5		29.57	65	48	42		OC	"	0	"	"	
4	"		"	"	3.5		29.60	65	48	42		"	"	0	"	"	
5	"		N.W.	"	4		29.65	66	45	40		"	cum strat	0	"	"	
6	"		"	"	4		29.70	64	44	39		"	"	0	"	"	
7	"		"	"	4		29.75	64	44	39		"	"	0	"	"	
8	"		N.E.	"	3		29.77	64	44	39		"	"	0	"	"	
9	"		"	"	3		29.77	64	44	39		"	"	0	"	"	
10	"		"	"	3		29.77	64	41	37		"	"	0	"	"	
11	"		W	S.W.	2		29.80	64	41	37		"	"	0	"	"	
Mid.	"		"	"	2		29.80	64	41	37		"	"	0	"	"	

Longitude by Chronometer from Afternoon Observations ☉

0

1

"

Longitude by Chronometer from Observations \*

0

1

"

Variation of the Compass by Amplitude observed at Sunset

0

1

"

Variation of the Compass by

at

0

1

"



under the command of

Commander A. H. W. Cormick

, U. S. Navy,

Wednesday, January 7, 1885.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M. Weather overcast and pleasant. Light breeze from S. W. Barometer steady. Aneroid at end of watch 29.82

Signed

C. P. Rees Lieut

4 to 8 A. M. Weather cloudy and pleasant. Light breeze from S. W. Barometer steady. Fires banked under two boilers for heating purposes. An. Barometer 29.82

Signed

Karl Rohrer Lieut

8 A. M. to Meridian. Fair and pleasant with stationary Barometer and light airs and breezes from Wd. Discharged all ammunition and projectiles except solid shot and empty 3 in projectiles into lighter and sent it down to Naval Magazine. Aneroid barometer 30.87

Signed

N. J. L. F. Halpine Ensign

Meridian to 4 P. M. Weather overcast and cool with stiff squalls from Wd. and Wd. Barometer steady. at 1.30 unmoored ship preparatory to going alongside dock. Catted and fished starboard anchor and remained lying at single anchor with 30 fathom shackle of port chain forward of capstan sent working party ashore to make preparations for landing battery. Aneroid at end of watch 29.98

Signed

C. P. Rees Lieut

4 to 8 P. M. Cloudy and cool with rising barometer and puffy breezes from Wd. Aneroid barometer 30.02

Signed

N. J. L. F. Halpine Ensign

8 P. M. to Midnight. Weather overcast and squally. Barometer steady. Aneroid at end of watch 30.12

Signed

C. P. Rees Lieut

Moon & mid

Dec  
Phase

Examined and found to be correct.

M. Keeney

Lieut & Navigator.



LOG of the UNITED STATES

Steamer Essex, 3<sup>rd</sup> Rate, 6 Guns,  
Navy Yard New York.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
	Anchored		E. N. E.	West	35		29.88	65	41	38		ocgy	cir cum + cum	0	S	
2	"		"	"	2-4		29.90	67	41	38		"	"	0	"	
3	"		"	"	2		29.92	67	41	38		bc	"	3	"	
4	"		N. E.	"	2		29.94	67	41	38		"	"	6	"	
5	"		"	N. W. W.	2		29.95	67	41	38		"	cir cum	8	"	
6	"		"	"	2		29.98	65	43	40		"	cir	9	"	
7	"		"	West	2		30.00	66	42	39		"	cir strat	9	"	
8	"		"	"	2		30.05	45	44	39		"	cir cum	8	"	
	Laying at dock.			S. W.	2		30.04	67	42	39		"	"	8	"	
10	"		"	"	2		30.04	67	42	39		"	"	7	"	
11	"		"	"	2		30.08	65	43	39		"	"	7	"	
Noon.	"		"	"	2		30.08	65	43	39		"	"	6	"	

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

" " "

Longitude by D. R. at Noon

" " "

Latitude by Observations at Noon ☉

" " "

Longitude by Chronometer from Forenoon Observations ☉

" " "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

" " "

Variation of the Compass by Azimuth ☉ observed at

" " "

Water expended during the preceding 24 hours

gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

"

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P. M.																	
			Laying at dock	S. W.	2		30.05	65	45	39		bc	cir cum	7		S	
2			"	"	2		30.05	65	45	39		"	cir cum	6		"	
3			"	S. S. W.	2		30.07	65	45	39		"	cir cum	5		"	
4			"	"	2		30.07	65	45	39		"	"	4		"	
5			"	"	2		30.07	65	45	39		"	"	2		"	
			At dock	S. W.	2		30.06	65	45	39		"	"	3		"	
7			"	"	2		30.06	67	45	39		"	"	4		"	
8			"	"	2		30.07	67	45	39		"	"	0		"	
9			"	"	-		30.06	65	45	39		oc	"	4		"	
10			"	"	2		30.06	65	44	39		bc	"	6		"	
11			"	"	2		30.06	65	44	39		"	"	7		"	
Mid.			"	"	2		30.06	65	44	39		"	"	8		"	

Longitude by Chronometer from Afternoon Observations ☉

" " "

Longitude by Chronometer from Observations \*

" " "

Variation of the Compass by Amplitude observed at Sunset

" " "

Variation of the Compass by

at

" " "



under the command of

Commander A. H. McCormick

, U. S. Navy,

Thursday, January 8, 1885.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A. M. Cloudy and cool. Moderate breeze from West with frequent puffs first part. Aneroid barometer 30.18

Signed

W. M. Irwin Lieut

4 to 8 A. M. Clear and cool. Light breeze from N. N. W. to West. At 7.55 Navy yard tug came alongside to take us along Ordnance Wharf called all hands up anchor at 7.55 Aneroid barometer 30.29

Signed

C. O. Bittles B. Ensign

8 A. M. to Meridian. Weather clear and pleasant. Light breeze from S. W. Barometer rising, got underway at 8.15. and with the assistance of Navy yard tug hauled alongside dock under Gun Derrick. Hoisted out battery and rolled guns into proper position on skids. Aneroid at end of watch 30.32. Begun distilling.

Signed

C. P. Rees B. Lieut

Meridian to 4 P. M. Pleasant weather. Gentle breeze from S. W. to S. S. W. Mustered at quarters at 3. Sent down Top gallant yards and masts and rigging. Aneroid Bar 30.30

Signed

W. M. Irwin Lieut

4 to 8 P. M. Weather clear and pleasant. Gentle breeze from S. W. Barometer steady. at 4.30 the Navy Yard tug came alongside, cast loose moorings to and slipped berth to N. W. end of Yard, securing with chain fastenings and spur shores. Distilling. Aneroid at end of watch 30.28

Signed

C. P. Rees Lieut

8 P. M. to Mid. Pleasant weather Gentle breeze from S. W. Barometer steady. Aneroid barometer 30.26

Signed

W. M. Irwin Lieut

W. Kurogy



LOG of the UNITED STATES

Steamer Essex

3<sup>rd</sup> Rate,

6 Guns,

Navy Yard New York

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
			At Dock	SW.	1		30.06	65	44	39		bc	circum	5		S
2					1		30.01	65	42	39		.	.	6		
3					1		30.01	65	42	39		.	.	8		
4					1		30.00	65	42	39		.	.	8		
5					1		29.98	67	42	39		scz	.	8		
6					1		29.98	67	42	39		.	.	8		
7					1		29.98	67	42	39		.	.	7		
8					1		29.97	67	42	39		.	.	7		
9					1		29.92	67	44	41		.	.	7		
10					1		29.88	64	46	42		bc	.	7		
11					1		29.84	64	48	44		.	.	7		
Noon.					1		29.80	63	48	44		.	.	7		

Distance run by Log since preceding Noon

knots

fathoms.

Latitude by D. R. at Noon

°

'

"

Longitude by D. R. at Noon

°

'

"

Latitude by Observations at Noon ☉

°

'

"

Longitude by Chronometer from Forenoon Observations ☉

°

'

"

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

°

'

"

Variation of the Compass by Azimuth ☉ observed at

°

'

"

Water expended during the preceding 24 hours

gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

"

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P. M.																	
1																	
2																	
3																	
4																	
5																	
6																	
7																	
8																	
9																	
10																	
11																	
Mid.																	

Longitude by Chronometer from Afternoon Observations ☉

°

'

"

Longitude by Chronometer from Observations \*

°

'

"

Variation of the Compass by Amplitude observed at Sunset

°

'

"

Variation of the Compass by

at

°

'

"



under the command of

Commander A. H. M. Cornick  
Friday, January 9<sup>th</sup>

, U. S. Navy,

, 1885.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commenced and until 4 A.M. Clear and pleasant weather light  
airs from S.W. Barometer falling slightly, fires banked under two  
boilers. Aneroid barometer 30.18

Signed W. G. Hartman Ensign  
From 4 to 8 A.M. Weather hazy and pleasant light breeze from S.W.  
Barometer falling. Passed light spars and rigging out on dock. Making  
preparations for stripping ship. Aneroid at end of watch 30.18

Signed C. P. Rees Lieut  
8 A.M. to Meridian. Clear and pleasant light airs from S.W. Crew em-  
ployed in dismantling ship, getting out stores and transporting  
them to store houses in the yard. Sent down Mizzen Topmast, shank  
gaff and boom, Fore & Main trysail gaffs, also jib boom. Aneroid Bar 30.16

Signed W. M. Irwin Lieut  
From Meridian to 4 P.M. Weather clear and pleasant, engaged in dis-  
mantling the ship, confined Thomas J. Wynne 1<sup>st</sup> class machinist  
and Thomas Thornton 2<sup>nd</sup> class machinist in double irons for attempt-  
ing to leave the yard without permission. Banked fires under two boilers

Signed W. G. Hartman Ensign  
4 to 8 P.M. Pleasant weather, lowered sailing launch sent it and  
steam launch around to the slip and secured them.

Signed W. M. Irwin Lieut  
From 8 P.M. to Mid. Weather clear and pleasant, banked fires under  
two boilers

Signed W. G. Hartman Ensign

M. K. George



LOG of the UNITED STATES

Steamer Essex

3<sup>rd</sup> Rate,

6 Guns.

Navy Yard New York

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1				W. N. W.	3							bc	cum and cir cum	5		
2				"	2							"	"	3		
3				N. W.	3							"	"	4		
4				"	3							"	"	5		
5																
6																
7																
8																
9																
10																
11																
Noon.																

Distance run by Log since preceding Noon

knots

fathoms.

Latitude by D. R. at Noon

°

'

"

Longitude by D. R. at Noon

°

'

"

Latitude by Observations at Noon ☉

°

'

"

Longitude by Chronometer from Forenoon Observations ☉

°

'

"

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

°

'

"

Variation of the Compass by Azimuth ☉ observed at

°

'

"

Water expended during the preceding 24 hours

gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

"

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P. M.																	
1				N. W.	4								bc	cum and cir cum	7		
2				"	4								"	"	6		
3				"	4								"	"	5		
4				"	4								"	"	7		
5				"	4								"	cir cum	8		
6				"	4								"	"	7		
7				"	3								"	"	8		
8				"	3								"	"	8		
9				"	2								"	"	9		
10				"	2								"	"	9		
11				"	2								"	"	9		
Mid.				"	1								"	"	9		

Longitude by Chronometer from Afternoon Observations ☉

°

'

"

Longitude by Chronometer from Observations \*

°

'

"

Variation of the Compass by Amplitude observed at Sunset

°

'

"

Variation of the Compass by

at

°

'

"



under the command of

Commander A. H. M. Cornick

, U. S. Navy,

Saturday, January 10<sup>th</sup>

, 1885.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

From Mid to 4 A. M. Weather clear and pleasant. Banked fires under two boilers.

4 to 8 A. M. Partly cloudy - cold. Fresh N. E. breeze. Broke out Sail room and Hold.

Signed

Karl Rohrer Lieut

Signed

W. M. Irwin Lieut

8 A. M. to Meridian. Clear and cold. Crew employed in getting out stores and transporting them to the storerooms in the yard. Released Thos. J. Wynne 1<sup>st</sup> class machinist and Thos Thornton 2<sup>nd</sup> class machinist from confinement. Fires banked under two boilers.

Signed

W. G. Hannam Ensign

Meridian to 4 P. M. Weather clear and cold. Moderate breeze from N. W. Stripping ship and sending stores ashore. Fires banked under two boilers for heating ship.

Signed

Karl Rohrer Lieut

4 to 8 P. M. Clear and cold. Gentle to moderate breeze from N. W. Fires banked under two boilers for heating ship.

Signed

W. G. Hannam Ensign

8 P. M. to Midnight. Clear and cold. Gentle to light breeze from N. W. Fires banked under two boilers for heating ship.

Signed

Karl Rohrer Lieut

W. Keegan



LOG of the UNITED STATES

Steamer Essex

3<sup>rd</sup> Rate,

6 Guns,

Navy Yard New York

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Pop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1				N. W.	2							bc	circum and cum	7	S	
2				N. N. W.	2							"	"	7	"	
3				N	2							"	"	6	"	
4				N. E.	2							"	"	7	"	
5				E. N. E.	2							"	cir cum and cum	5	"	
6				"	2							"	"	4	"	
7				E.	2							"	"	3	"	
8				"	2							"	"	3	"	
9				E. S. E.	3							"	"	1	"	
10				S. E.	3							"	"	4	"	
11				"	3							"	"	5	"	
Noon.				"	3							"	"	4	"	

Distance run by Log since preceding Noon

knots

fathoms.

Latitude by D. R. at Noon

°

'

"

Longitude by D. R. at Noon

°

'

"

Latitude by Observations at Noon ☉

°

'

"

Longitude by Chronometer from Forenoon Observations ☉

°

'

"

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

°

'

"

Variation of the Compass by Azimuth ☉ observed at

°

'

"

Water expended during the preceding 24 hours

gallons.

Water

during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

"

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P. M.																
1				S. S. W.	2							bc	circum and cum	5	S	
2				S.	2							"	"	2	"	
3				S. S. E.	2							oc	"	0	"	
4				S. E.	2							"	"	0	"	
5				"	2							ocd	"	0	"	
6				"	2							"	"	0	"	
7				"	3							oc	"	0	"	
8				"	3							"	"	0	"	
9				S. W.	2							"	"	0	"	
10				"	3-5							ocgt	"	0	"	
11				"	3-5							ocqjp	"	0	"	
Mid.				"	3-5							ogf	"	0	"	

Longitude by Chronometer from Afternoon Observations ☉

°

'

"

Longitude by Chronometer from Observations \*

°

'

"

Variation of the Compass by Amplitude observed at Sunset

°

'

"

Variation of the Compass by

at

°

'

"



under the command of

Commander A. H. M. Cornick

, U. S. Navy,

Sunday January 11<sup>th</sup>, 1885.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commencing and to 4 A.M. Clear and cold. Slight breeze from N to the N.W. Fires banked under two boilers. Fires under two boilers

Signed

A. J. L. J. Halpin Ensign

4 to 8 A.M. Weather somewhat cloudy and warmer. Slight breeze from E.N.E. to E. Fires banked under two boilers.

Signed

W. G. Hannam Ensign

8 A.M. to Meridian. Clear and cool. Gentle breeze from E.S.E. to S.E. Fires banked under two boilers for heating ship.

Signed

Karl Rohrer Lieut

Meridian to 4 P.M. Generally cloudy and pleasant with light variable breezes. Sent liberty party ashore. Fires banked under two boilers

Signed

A. J. L. J. Halpin Ensign

4 to 8 P.M. Weather overcast with light drizzling rain first part of watch. Light to gentle breeze from S.E. Fires banked under two boilers for heating ship.

Signed

Karl Rohrer Lieut

8 P.M. to Mid. Weather cloudy light drizzling rain. Light breeze from S.W. Fires banked under two boilers

Signed

A. J. L. J. Halpin Ensign

W. Kewez



LOG of the UNITED STATES *Steamer Essex*, *3<sup>rd</sup>* Rate, *6* Guns,  
*Navy Yard New York*

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. att'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1				S.W.	3							oc	cum circum	0	S	
2				"	3							ocv	"	0	"	
3				"	3-4							"	"	0	"	
4				"	3-5							"	"	0	"	
5				"	3-4							ocgv	cum nimbt	0	"	
6				"	2-4							"	"	0	"	
7				"	3							ocd	"	0	"	
8				"	3							"	"	0	"	
9				"	2							oc	"	0	"	
10				S. by W.	2							bc	cir and cum	2	"	
11				"	1							"	"	3	"	
Noon.				"	1							"	"	4	"	

Distance run by Log since preceding Noon knots fathoms.  
Latitude by D. R. at Noon " " "  
Longitude by D. R. at Noon " " "  
Latitude by Observations at Noon ☉ " " "  
Longitude by Chronometer from Forenoon Observations ☉ " " "  
Current during the time knots fms. per hour, setting to the  
Variation of the Compass by Amplitude ☉ observed at Sunrise " " "  
Variation of the Compass by Azimuth ☉ observed at " " "  
Water expended during the preceding 24 hours gallons.  
Water during the preceding 24 hours "  
Water remaining on hand fit for use at Noon "  
Coal consumed during the preceding 24 hours tons lbs.  
Coal remaining on hand at Noon " "

P. M.																	
1				<i>S.E.</i>	<i>1</i>								<i>bc</i>	<i>circum</i>	<i>5</i>	<i>S</i>	
2				"	<i>1</i>								"	"	<i>4</i>	"	
3				"	<i>1</i>								"	"	<i>6</i>	"	
4				"	<i>1</i>								"	"	<i>5</i>	"	
5				"	<i>1</i>								"	"	<i>4</i>	"	
6				<i>S.W.</i>	<i>1</i>								"	"	<i>5</i>	"	
7				"	<i>1</i>								"	"	<i>7</i>	"	
8				"	<i>2</i>								"	"	<i>10</i>	"	
9				"	<i>2</i>								"	"	<i>10</i>	"	
10				"	<i>3</i>								<i>bc</i>	<i>cir cum and cum</i>	<i>9</i>	"	
11				"	<i>3</i>								"	"	<i>8</i>	"	
Mid.				"	<i>3</i>								"	"	<i>8</i>	"	

Longitude by Chronometer from Afternoon Observations ☉ " " "  
Longitude by Chronometer from Observations \* " " "  
Variation of the Compass by Amplitude observed at Sunset " " "  
Variation of the Compass by at " " "



under the command of

Commander A. H. W. Conrick

, U. S. Navy,

Monday January 12<sup>th</sup>

, 1885.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Weather overcast and rainy. Moderate to fresh breeze from S.W. Fires under two boilers for heating ship.

Signed

C. O. Reed Lieut

4 to 8 A.M. Overcast rainy weather. Gentle to moderate breeze in squalls from S.W. Released Thos. J. Wynne (1<sup>st</sup> class machinist) and Thos Thornton (2<sup>nd</sup> class machinist) from confinement. Making preparations for striking down Topmasts. Fires banked under two boilers for heating ship.

Signed

Carl Akker Lieut

8 A.M. to Meridian. Fair and pleasant. Engaged in stripping ship and landing coal. Fires banked under two boilers.

Signed

A. J. L. P. Halpin Ensign

12 to 4 P.M. Weather overcast and squally. Growing colder. Crew at work getting coal and stores ashore.

Signed

C. O. Reed Lieut

4 to 8 P.M. Fair and pleasant with light variable breezes. Finished discharging coal.

Signed

A. J. L. P. Halpin Ensign

8 P.M. to Mid. Weather clear, growing cold. Light airs from N.W.

Signed

C. O. Reed Lieut

M. Keegan



LOG of the UNITED STATES

Steamer Essex

3<sup>rd</sup> Rate,

6 Guns,

Navy Yard New York.

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at d.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1				S. W.	1							bc	circum	7	S	
2				"	1							"	"	6	"	
3				"	1							"	"	4	"	
4				"	1							"	"	8	"	
5				"	1							"	"	7	"	
6				"	1							"	"	8	"	
7				"	1							"	"	6	"	
8				"	1							"	"	7	"	
9												"	circum and strat	4	"	
10												"	"	5	"	
11												"	"	4	"	
Noon.												"	"	5	"	

Distance run by Log since preceding Noon

knots

fathoms.

Latitude by D. R. at Noon

°

'

"

Longitude by D. R. at Noon

°

'

"

Latitude by Observations at Noon ☉

°

'

"

Longitude by Chronometer from Forenoon Observations ☉

°

'

"

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

°

'

"

Variation of the Compass by Azimuth ☉ observed at

°

'

"

Water expended during the preceding 24 hours

gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

"

Coal consumed during the preceding 24 hours

tons

lbs.

Coal remaining on hand at Noon

"

"

P. M.																
1				S. W.	1							bc	circum	4	S	
2				S. E.	1							"	"	5	"	
3				"	1							"	"	6	"	
4				"	1							"	"	"	"	
5				N. W.	1							"	"	5	"	
6				"	1							"	"	7	"	
7				"	2							"	"	6	"	
8				"	2							"	"	8	"	
9				"	2							"	"	5	"	
10				"	3							"	circ	9	"	
11				"	2							"	circum	7	"	
Mid.				"	1							"	"	8	"	

Longitude by Chronometer from Afternoon Observations ☉

°

'

"

Longitude by Chronometer from Observations \*

°

'

"

Variation of the Compass by Amplitude observed at Sunset

°

'

"

Variation of the Compass by

at

°

'

"



under the command of

Commander A. H. M. Cormick  
Tuesday Jan 13<sup>th</sup>

, U. S. Navy,

, 1885.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

Commences and until 4 A.M. Cloudy and cool, light breeze from S.W.  
W. M. Inwin W. M. Lieut

4 to 8 A.M. Cool and pleasant. Landed main yard on wharf.

8 A.M. to Meridian. Weather clear and cool. Light breeze from S.W. Crew at work stripping ship and passing material into storehouses  
A. J. S. Halpin S. P. H. Ensign

Meridian to 4 P.M. Pleasant weather. Light airs from S.E. to S.W. Crew employed in transporting coal and rigging up to the storehouses and hauling the boats up on the ways.  
C. A. Rees C. P. R. Lieut

4 to 8 P.M. Weather clear and cool. Light breeze from S.W. Fires banked under two boilers for heating ship.  
W. M. Inwin W. M. Lieut

8 P.M. to Mid. Clear and cool, light breeze from S.W.

C. A. Rees R. Lieut  
W. M. Inwin Lieut

W. Keeney



LOG of the UNITED STATES *Steamer Essex*, 3<sup>rd</sup> Rate, 6 Guns,  
Navy Yard New York

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prep. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1				<i>N. W.</i>	<i>1</i>							<i>b</i>		<i>10</i>	<i>S</i>	
2				"	<i>2</i>							"		<i>10</i>	"	
3				"	<i>2</i>							"		<i>10</i>	"	
4				"	<i>2</i>							"		<i>10</i>	"	
5				"	<i>2</i>							"		<i>10</i>	"	
6				"	<i>2</i>							"	<i>cum</i>	<i>8</i>	"	
7				"	<i>2</i>							"	"	<i>8</i>	"	
8				"	<i>2</i>							"	"	<i>6</i>	"	
9				"	<i>2</i>							"	"	<i>6</i>	"	
10																
11																
Noon.																

Distance run by Log since preceding Noon	knots	fathoms.
Latitude by D. R. at Noon	°	' "
Longitude by D. R. at Noon	°	' "
Latitude by Observations at Noon ☉	°	' "
Longitude by Chronometer from Forenoon Observations ☉	°	' "
Current during the time	knots	fms. per hour, setting to the
Variation of the Compass by Amplitude ☉ observed at Sunrise	°	' "
Variation of the Compass by Azimuth ☉ observed at	°	' "
Water expended during the preceding 24 hours		gallons.
Water during the preceding 24 hours		"
Water remaining on hand fit for use at Noon		"
Coal consumed during the preceding 24 hours	tons	lbs.
Coal remaining on hand at Noon	"	"

P. M.																
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
Mid.																

Longitude by Chronometer from Afternoon Observations ☉	°	' "
Longitude by Chronometer from Observations *	°	' "
Variation of the Compass by Amplitude observed at Sunset	°	' "
Variation of the Compass by at	°	' "



under the command of *Commander A. H. M. Cornick*

, U. S. Navy,

*Wednesday Jan 14<sup>th</sup>*

, 1885.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

*Commenced and until 4 AM. Clear and cold. Light breeze from N.W. Fires banked under two boilers for heating ship*

*4 to 8 AM. Weather clear and cold. Light air from N.W.*

*W. G. Hammond Ensign*

*C. O. Rust Lieut*

*Saw to wind.*

*Clear & cold. Light breeze from NW. Hauled in at 10. Paid off and transferred eight men to the U.S.S. Vermont. Paid off the apprentices and gave them 30 days leave with order to report at its expiration on board the U.S.S. Minnesota.*

*Signed Wm. Brown*

*Moved to 4 PM.*

*Weather clear & cold. Light variable air. Paid off ship's company to 301st Dec & granted them leave of absence for 10 days, to report on board the U.S.S. R. S. Vermont at expiration for discharge.*

*Signed W. G. Hammond Ensign.*

*4 to 6 PM.*

*Clear & cold moderate breeze from NW.*

*Signed Wm. Brown*

*6 to 10 PM.*

*Clear & cold. Moderate W breeze.*

*Signed W. G. Hammond Ensign.*



LOG of the UNITED STATES

*Steamer "Essex"*, 3  $\frac{1}{2}$  Rate, 6 Guns,  
*Harry Judd, New York*

Hour.	Knots.	Fathoms.	Courses steered.	WINDS.		Leeway.	BAROMETER.		TEMPERATURE.			State of the Weather, by symbols.	Forms of Clouds, by symbols.	Prop. of Clear Sky, in 10ths.	State of the Sea.	Record of the sail the vessel is under at end of watch.
				Direction.	Force.		Height in inches.	Ther. at'd.	Air, Dry Bulb.	Air, Wet Bulb.	Water at surface.					
A. M.																
1				<i>N. N. W.</i>	<i>1</i>							<i>bc.</i>		<i>0</i>		
2				<i>"</i>	<i>1</i>							<i>"</i>		<i>0</i>		
3				<i>"</i>	<i>1</i>							<i>"</i>		<i>0</i>		
4				<i>"</i>	<i>1</i>							<i>"</i>		<i>0</i>		
5				<i>"</i>	<i>1</i>							<i>"</i>		<i>0</i>		
6				<i>"</i>	<i>1</i>							<i>"</i>		<i>0</i>		
7				<i>N. W.</i>	<i>1</i>							<i>"</i>		<i>0</i>		
8				<i>"</i>	<i>1</i>							<i>bc.</i>		<i>0</i>		
9				<i>"</i>	<i>1</i>							<i>"</i>		<i>0</i>		
10				<i>"</i>	<i>1</i>							<i>"</i>		<i>0</i>		
11																
Noon.																

Distance run by Log since preceding Noon

knots fathoms.

Latitude by D. R. at Noon

° ' "

Longitude by D. R. at Noon

° ' "

Latitude by Observations at Noon ☉

° ' "

Longitude by Chronometer from Forenoon Observations ☉

° ' "

Current during the time knots fms. per hour, setting to the

Variation of the Compass by Amplitude ☉ observed at Sunrise

° ' "

Variation of the Compass by Azimuth ☉ observed at

° ' "

Water expended during the preceding 24 hours

gallons.

Water during the preceding 24 hours

"

Water remaining on hand fit for use at Noon

"

Coal consumed during the preceding 24 hours

tons lbs.

Coal remaining on hand at Noon

" "

P. M.

1

2

3

4

5

6

7

8

9

10

11

Mid.

Longitude by Chronometer from Afternoon Observations ☉

° ' "

Longitude by Chronometer from Observations \*

° ' "

Variation of the Compass by Amplitude observed at Sunset

° ' "

Variation of the Compass by at

° ' "



under the command of *Commander A.H. McCormick*, U. S. Navy,  
*Thursday, January 15<sup>th</sup>*, 1885.

RECORD OF THE MISCELLANEOUS EVENTS OF THE DAY.

*Commenced and until 4 P.M. - Weather clear and cold  
- first part of watch, clouding up in latter part*

*4 to 8 P.M.*

*Task Robert, Lieut. U.S.N.*

*Completed. Succeeded last part  
of watch.*

*Signed Wm. Brown  
etc*

*4th inst.*

*Unusual snow. Light air from NW. At 10.00 Capt of  
your inspected ship and vessel was put off of commission with customary  
ceremonies.*

*Signed W. S. Armon  
Ensign*

*Approved*

*A. H. McCormick*

*Commander U.S.N.*

*M. Kellogg*







11  
C. 1000 3<sup>rd</sup> Rate

1000	18.00	A. L. Submarine S. B.
1000	18.00	1000 1000 1000
1000	18.00	1000 1000 1000
1000	18.00	1000 1000 1000
1000	18.00	1000 1000 1000
1000	18.00	1000 1000 1000

1000 1000 1000  
1000 1000 1000  
1000 1000 1000  
1000 1000 1000  
1000 1000 1000

60	1000	1000 1000 1000
10	1000	1000 1000 1000
10	1000	1000 1000 1000
60	1000	1000 1000 1000
60	1000	1000 1000 1000
10	1000	1000 1000 1000
10	1000	1000 1000 1000



